

**pikrite** **HP 25LL**

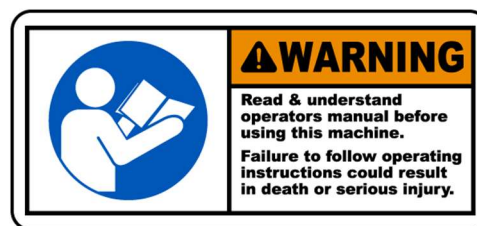
**Hydra-Pull**  
SPREADERS

**Litter-Lime**  
SPREADERS

# OPERATION AND PARTS MANUAL



**PROUDLY MADE IN THE USA**



Pik Rite Inc.  
60 Pik Rite Lane  
Lewisburg, PA 17837

JANUARY 2026  
SN 77026001 -

Phone 800-326-9763  
Fax 570-523-8175  
[www.pikrite.com](http://www.pikrite.com)





Some illustrations may not represent the spreader model you have; however, the principles of operation and maintenance are the same. If you have questions specific to your spreader, please contact your dealer.

**SPECIFICATIONS AND DESIGN SUBJECT TO CHANGE WITHOUT NOTICE**

|                             |          |
|-----------------------------|----------|
| <b>OPERATION MANUAL</b>     | <b>6</b> |
| INTRODUCTION                | 6        |
| SAFETY                      | 7        |
| PREPARING THE TRACTOR       | 13       |
| PREPARING THE SPREADER      | 15       |
| CONTROLS                    | 16       |
| ATTACHING THE SPREADER      | 17       |
| DETACHING THE SPREADER      | 18       |
| TRANSPORT                   | 19       |
| OPERATING THE SPEADER       | 21       |
| LUBRICATION AND MAINTENANCE | 24       |
| SPECIFICATIONS              | 29       |

## PARTS MANUAL 30

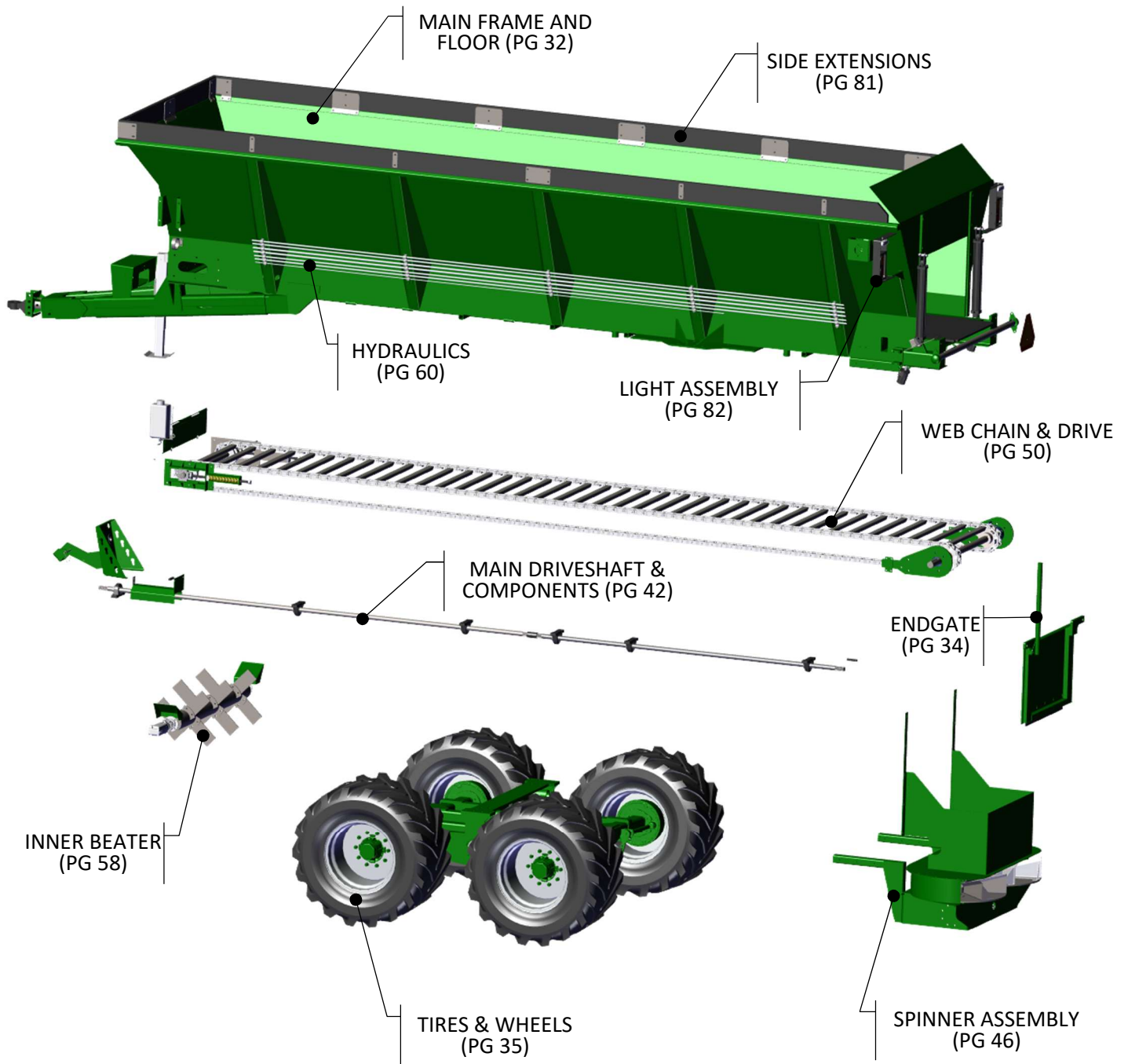
|             |                                         |    |
|-------------|-----------------------------------------|----|
| 77023-1-01  | MAIN FRAME                              | 32 |
| 77021-1-03  | GUILLETINE ENDGATE                      | 34 |
| 77021-1-04  | TIRES AND WHEELS, 710/50-26.5           | 35 |
| 77021-1-04A | OPT. TIRES AND WHEELS, 750/60-30.5      | 35 |
| 77021-1-06  | WALKING BEAM                            | 36 |
| 77021-1-07  | ADR SQUARE AXLE COMPONENTS              | 37 |
| 77021-2-01  | FRONT DRIVELINE, 1000RPM, 1-3/4"        | 38 |
| 77023-2-02  | MAIN DRIVE SHAFT                        | 40 |
| 77024-2-02A | REAR DRIVE SHAFT                        | 42 |
| 77024-2-03  | SPINNER ASSEMBLY W/ REAR BEATER         | 44 |
| 77023-2-03A | GEARBOX ASSEMBLY, SPINNERS              | 46 |
| 77023-2-04  | WEB CHAIN & DRIVE                       | 48 |
| 77024-2-05  | WEB CHAIN GEARBOX AND MOTOR, 25MM INPUT | 48 |

NOTES:

## TABLE OF CONTENTS

|             |                                                                                    |    |
|-------------|------------------------------------------------------------------------------------|----|
| 77024-2-05A | GEARBOX PART BREAKDOWN, 25MM INPUT, CHAIN DRIVE                                    | 54 |
| 77023-2-06  | OPT. INNER BEATER ASSEMBLY                                                         | 56 |
| 77024-2-07  | REAR BEATER ASSEMBLY                                                               | 58 |
| 77023-3-01  | HYDRAULICS, WEB DRIVE                                                              | 60 |
| 77023-3-02  | HYDRAULICS, ENDGATE                                                                | 62 |
| 77023-3-02A | ENDGATE CYLINDER                                                                   | 63 |
| 77026-3-03  | OPT. HYDRAULICS, INNER BEATER                                                      | 64 |
| 77026-3-03A | HYDRAULICS, REAR BEATER                                                            | 65 |
| 77023-3-04  | HYDRAULICS, DRUM BRAKES, REMOTE                                                    | 66 |
| 77023-3-04A | HYDRAULICS, DRUM BRAKES, EURO FF                                                   | 67 |
| 77023-3-05  | OPT. HYDRAULICS, MANUAL FLOW CONTROL, WEB DRIVE                                    | 68 |
| 77023-3-06  | OPT. HYDRAULICS, REMOTE, ELECTRONIC FLOW CONTROL, WEB DRIVE                        | 70 |
| 77023-3-07  | OPT. AIR BRAKES, ADR AXLES                                                         | 72 |
| 77021-4-01  | SAFETY CHAIN                                                                       | 74 |
| 77023-4-02  | ACCESSORIES                                                                        | 75 |
| 77021-4-03  | DECALS ON FRONT OF SPREADER                                                        | 76 |
| 77021-4-04  | DECALS ON SIDES & REAR OF SPREADER                                                 | 77 |
| 77023-4-05  | SIDE EXTENSIONS                                                                    | 78 |
| 77023-5-01  | ELECTRICAL AND LIGHTING                                                            | 79 |
| 77023-5-02  | WEIGH SCALE SYSTEM, DG400                                                          | 81 |
| 77026-5-02A | OPT. SCALE SYSTEM, ATHENE, VARIABLE, ISOBUS READY TRACTOR W/UT & GPS               | 82 |
| 77026-5-02B | OPT. SCALE SYSTEM, ATHENE, VARIABLE, <a href="#">ID1</a> & GPS, NON-ISOBUS TRACTOR | 86 |

NOTES:



## TO THE NEW OPERATOR OR OWNER

Since 1986 Pik Rite equipment has been developed by people who work as hard as you do in the fields, on the farm and on site. Our goal is to deliver products that get the job done with the most efficient results. If you want tough, dependable people and products you can count on, we've got your back.

This manual is provided to all our customers of newly manufactured manure spreaders to create an awareness of all maintenance expectations and dangers that may be encountered when owning this equipment. This manual should be kept for all future references. Please review these operating instructions carefully, then sign and date the last page of this document and return it to Pik Rite Inc. for processing. This will activate your warranty and verify that you have read and understand the following operating instructions and warnings. In the event you have questions or encounter other applications not discussed in this manual, please call before proceeding.

***Congratulations and Thank You*** for choosing a quality manure spreader manufactured by Pik Rite Inc. We believe you'll be very satisfied with the purchase, and we appreciate your patronage.

## PRINCIPLES OF OPERATION

The Hydra-Pull series features heavy duty components throughout the entire spreader. With a pintle chain breaking strength of 60,000 lbs, a rugged steal box design, and poly board flooring for maximum strength and durability, this machine is designed to efficiently and uniformly spread manure.

***Spring Tension Rollers*** – The spring loaded front idler rollers keep the chain secure and provides better chain tracking.

***Two Piece Drive Sprocket*** – The pintle chain sprocket allows for service removal without completely disassembling the drive system.

***Precision Application*** – Optional load cells in the spreader body allow the hydraulic drive to adjust speed for consistent output.



## RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual be alert to the potential of physical injury.

**Obey all safety messages that follow this symbol to avoid possibly injury or death.**

## UNDERSTAND SIGNAL WORDS

A signal word – DANGER, WARNING, or CAUTION – is used with the safety-alert symbol. DANGER identifies the most serious hazards.

**DANGER** indicates a hazardous situation which, if not avoided, **will** result in death or serious injury.

**WARNING** indicates a hazardous situation which, if not avoided, **could** result in death or serious injury.

**CAUTION** indicates a hazardous situation which, if not avoided, **could** result in minor or moderate injury.

**NOTICE** is used to address practices not related to physical injury.

**SAFETY INSTRUCTIONS** are used to indicate specific safety-related instructions or procedures.

## FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety labels.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

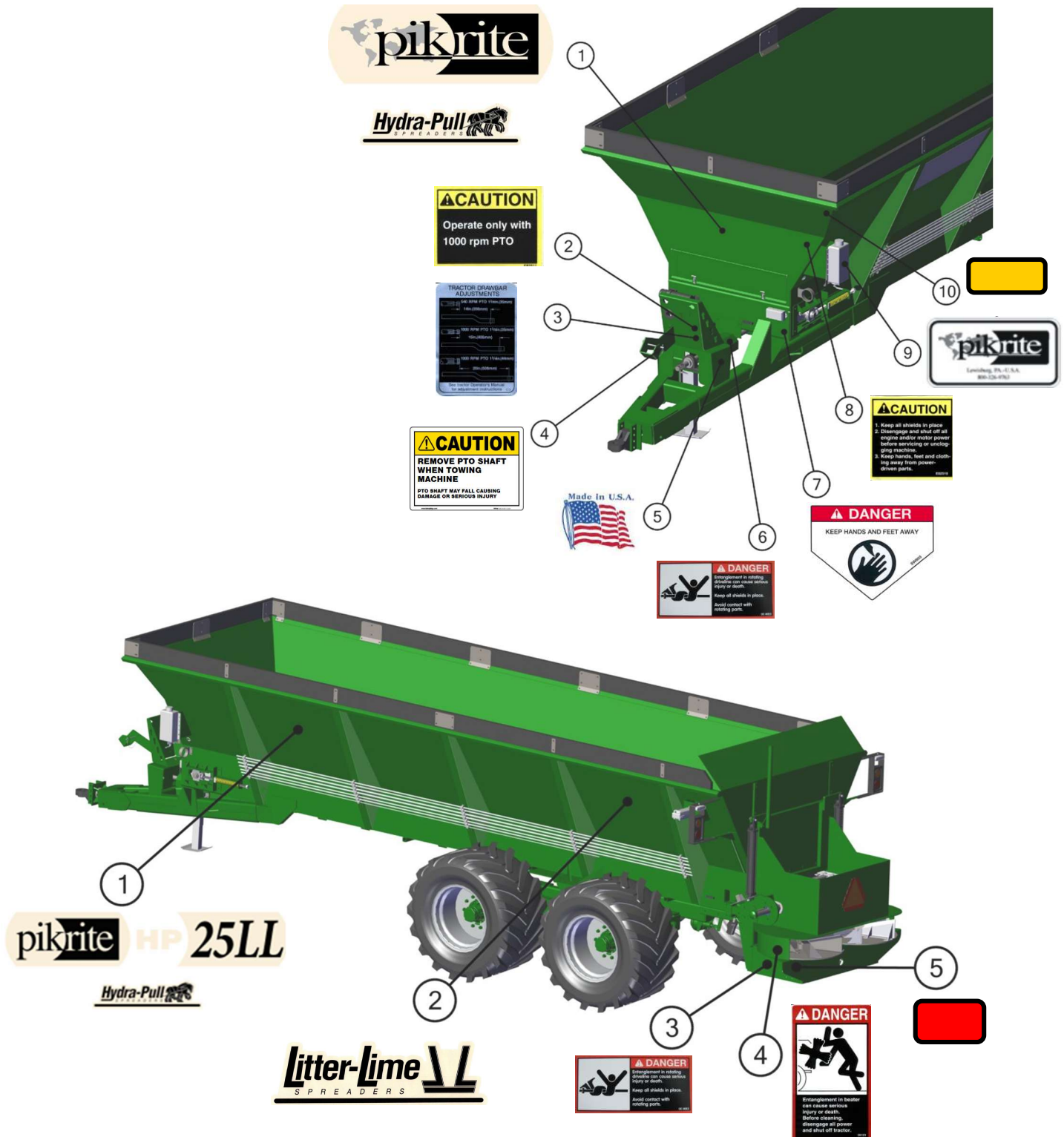
If you do not understand any part of this manual and need assistance, contact your Pik Rite dealer.



## SAFETY

### REPLACE SAFETY LABELS

Keep safety labels in good condition. Replace missing or damaged safety labels. Be sure new equipment components and repair parts include the current safety labels. Replacement safety labels are available from your Pik Rite dealer (See “Front Decals” and “Side Decals” in the Parts Manual for part numbers.)



**⚠ DANGER KEEP SHIELDS IN PLACE**

Do not operate spreader without safety shields in place.

Rotating parts can crush or dismember causing death or personal injury.

Disconnect PTO driveline and hydraulic lines from tractor before removing shields for adjustment or service.

**⚠ WARNING PROTECT BYSTANDERS**

Never operate the spreader near people.

Do not place rocks, timbers or other solid objects in the spreader. Objects can be thrown great distances causing injury to people.

**⚠ CAUTION WEAR PROTECTIVE CLOTHING**

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

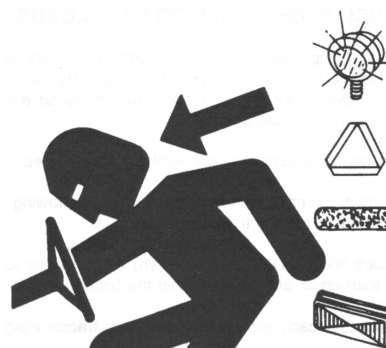
Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.

**⚠ WARNING USE SAFETY LIGHTS AND DEVICES**

Slow moving tractors, self-propelled equipment and towed implements or attachments can create a hazard when driven on public roads. They are difficult to see, especially at night. Avoid personal injury or death resulting from collision with a vehicle.

Flashing warning lights and turn signals are recommended whenever driving on public roads. To increase visibility, use the devices provided with your machine. For some equipment, install extra flashing warning lights.

Keep safety items in good condition. Replace missing or damaged items.



## SAFETY



### **WARNING KEEP RIDERS OFF MACHINE**

Riders are subject to injury such as being struck by foreign objects and being thrown off the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner



#### **SAFETY INSTRUCTIONS**

### **PARK SPREADER SAFELY**

Park spreader on a level surface and block wheels.

Close endgate.

Secure jackstand with pin.

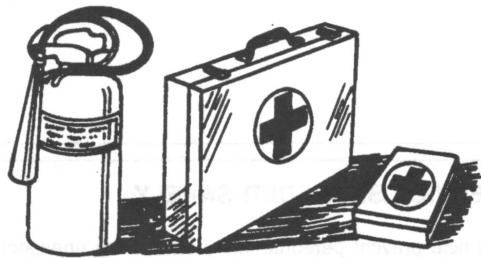
#### **NOTICE**

### **PREPARE FOR EMERGENCIES**

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



#### **SAFETY INSTRUCTIONS**

### **USE A SAFETY CHAIN**

A safety chain will help control drawn equipment should it accidentally separate from the drawbar.

Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning.

See your Pik Rite dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine. Do not use safety chain for towing.



**⚠ DANGER OPERATE SPREADER SAFELY**

Rotating parts can entangle or strike people, resulting in death or personal injury.

Never enter a spreader while in operation.

Operate the spreader from the tractor seat only.

Do not exceed load capacity of the spreader. (See Transport section)

Reduce speed when turning or traveling on rough terrain. Avoid traveling over loose fill, rocks, ditches or holes.

When working on inclines or slopes, travel uphill or downhill. Keep tractor in gear when traveling downhill.

**⚠ WARNING STAY CLEAR OF RAISED ENDGATE**

Contact with a lowering endgate can cause death or personal injury.

Lower endgate and disconnect hydraulic lines before servicing or adjusting.

**⚠ WARNING STAY CLEAR OF ROTATING DRIVELINES**

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.

**⚠ DANGER STAY CLEAR OF ROTATING BEATER**

Rotating beater can entangle or strike causing death or personal injury.

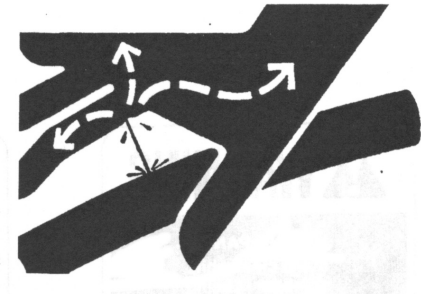
Do not clean out or service spreader while beater is rotating.

Disconnect PTO driveline and make sure all parts have stopped rotating before cleaning or servicing.

**Do not cut or weld on vertical beater attachment.**  
**Serious injury or death could occur when operating.**



## SAFETY



### **WARNING AVOID HIGH-PRESSURE FLUIDS**

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.

### **SAFETY INSTRUCTIONS**

### **SERVICE SPREADER SAFELY**



To help prevent personal injury caused by unexpected movement, be sure to service spreader on level surface.

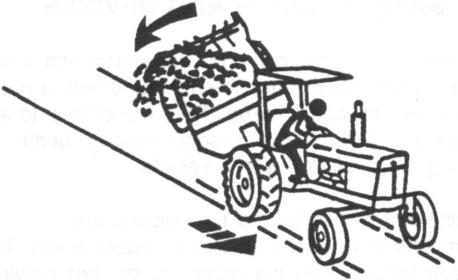
If spreader is connected to tractor, disengage PTO, engage parking brake and/or place transmission in "PARK," shut off engine and remove key.

If spreader is detached from tractor, block wheels and use safety stands to prevent movement.

Replace all shields after lubricating or servicing.

### **SAFETY INSTRUCTIONS**

### **REDUCE SPEED WHEN TOWING LOADS**



Braking to stop towed loads from transport speeds can cause the towed load to swerve and upset. Reduce speed if towed load weighs more than the tractor and is not equipped with brakes.

Follow recommended speed-weight ratio guidelines:

- Maximum speed is 20 mph (32 km/h) when towing loads equal to or less than the tractor.
- Reduce speed to 10 mph (16 km/h) when towing loads more than equal and up to double the tractor weight.
- Do not tow loads exceeding double the tractor weight.
- Use additional caution when towing loads under adverse surface conditions, when turning, and on inclines

### **NOTICE** APPROVED TRACTORS, MODEL HP25LL

Row Crop Tractors with 200 HP PTO rating or larger are approved for operation with the HP25LL Spreader.

Utility Tractors are **NOT APPROVED** because of drawbar weight limitations and the inability to ballast the tractor enough to meet requirements for towing.

A drawbar support is required on any tractor with a drawbar size of no less than 1-1/2 x 3 in.

Tractor hydraulic oil reservoir must have capacity for 3.7 U.S. gal. net draw for a spreader with an endgate or 3.1 U.S. gal. without an endgate.

Tractor standby hydraulic pressure must be 1500 psi minimum.

Two selective control valves are required to operate the spreader.

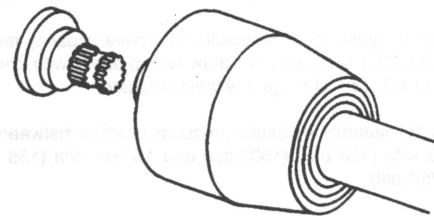
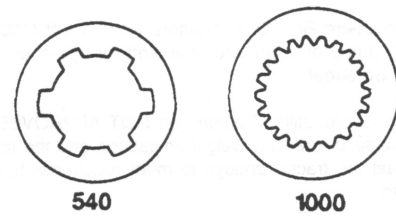
### **NOTICE** CHOOSING CORRECT PTO SPEED

MODEL – HP25LL – 1000 RPM ONLY

**Drive components can be damaged.**

Under no circumstances should a machine equipped for 540 rpm PTO be operated by a tractor equipped with 1000 rpm PTO.

Nor should a 1000 rpm PTO machine be operated with a tractor equipped with 540 rpm PTO.

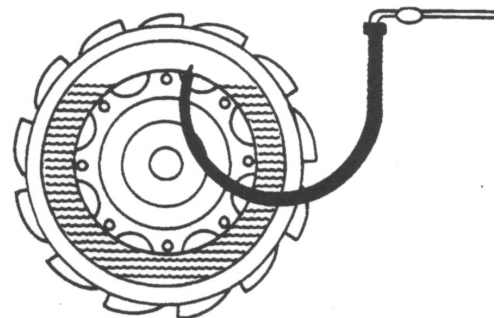


### **NOTICE** BALLASTING THE TRACTOR

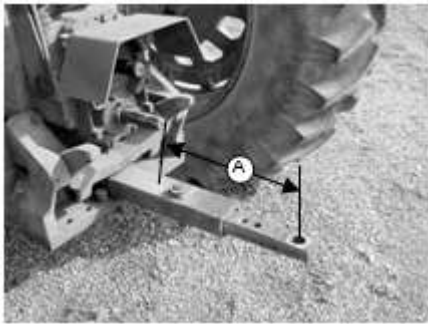
**Do not tow loads that weigh more than twice the tractor weight.**

(See Recommended Maximum Towing Speed in Transport section.)

To ensure proper stability, adjust ballast and wheel spacing according to tractor operator's manual.



PREPARING THE TRACTOR



**SAFETY INSTRUCTIONS**    **POSITIONING DRAWBAR**

Tractor PTO and machine driveline can be damaged. Be sure drawbar length is properly set. If equipped with clevis, remove it. Lock drawbar along tractor centerline with offset down.

Remove clevis if equipped.

| PTO Speed        | Dimension (A)  |
|------------------|----------------|
| 1000 rpm x 1-3/4 | 508 mm (20in.) |

Adjust drawbar length (A) to help prevent driveline damage.

A tractor drawbar support is required on tractors with a drawbar size of 1-1/2 x 3 in. minimum

**SAFETY INSTRUCTIONS**    **USING SELECTIVE CONTROL LEVERS TO CONTROL CHAIN SPEED**

Floor and moving panel speed can be controlled by using tractor selective control lever to extend and retract cylinders.  
Adjust selective control valve lever to provide the slowest operating speed. (See your tractor operator’s manual).  
Maximum hydraulic oil flow through the spreader control valve is 15 gpm. Trying to force through more oil than this, may create a pressure drop.

**SAFETY INSTRUCTIONS**    **SETTING HYDRAULIC SPEED ENDGATE OPERATION**

Excessive operating speed may cause machine damage. Adjust selective control valve lever to provide correct operating speed.

Adjust selective control valve lever, it should take two to three seconds to fully extend or retract the cylinder. (See your tractor operator’s manual).

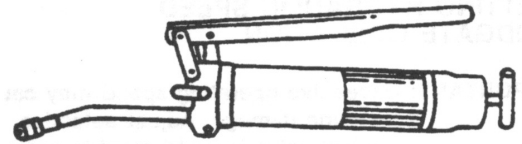
**SAFETY INSTRUCTIONS**    **CHECKING TRANSMISSION/HYDRAULIC OIL LEVEL**

Cycle all hydraulic cylinders fully two or three times.  
Fully retract all cylinders.  
Check transmission/hydraulic oil level. (See your tractor’s Operator’s Manual)

## PREPARING THE SPREADER

### **NOTICE** LUBRICATING THE MACHINE

Be sure the machine has been adequately lubricated.  
(See Lubrication and Maintenance page.)



### **NOTICE** BRAKE ADJUSTMENT (HYDRAULIC)

(Contact your Hydra-Pull Dealer for available brake kit)



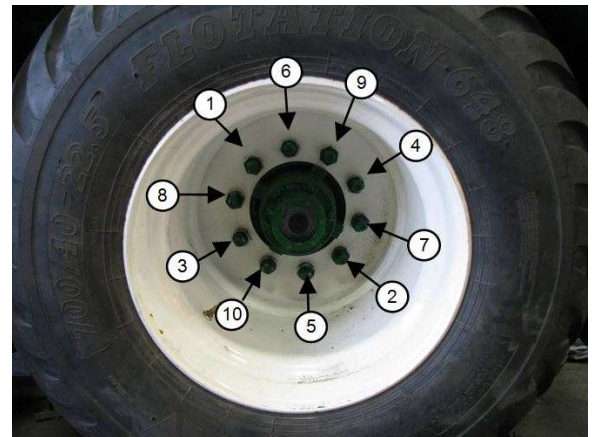
### **SAFETY INSTRUCTIONS** TIGHTENING WHEEL HARDWARE

Operating the spreader with loose wheel hardware will damage the hub or wheel. Tighten hardware after initial transport, after one hour of operation and every fifty hours thereafter.

Tighten to 375 lb-ft of dry torque  
in the sequence shown.

| <u>Tire Size</u> | <u>Wheel Size</u> | <u>Tire Pressure</u> |
|------------------|-------------------|----------------------|
| 710/50-26.5      | 26.5 x 28         | 60 psi               |
| 750/60-30.5      | 30.5 x 29.5       | 40 psi               |

(Additional options may be available, please contact your dealer for more information)



### **SAFETY INSTRUCTIONS** CHECKING TIRES

1. Check tires daily for damage or noticeably low pressure.
2. Repair any cuts or breaks as soon as possible.
3. Protect tires from exposure to sunlight and petroleum products or chemicals.



## CONTROLS

### SAFETY INSTRUCTIONS

#### OPERATING THE BEATER

To start beater, engage PTO lever slowly, at low engine rpm.

To stop beater, disengage PTO. (See your tractor's Operator's Manual)

For best spreading results, operate the tractor engine at "PTO RATED" speed.

**Do not operate the apron chain without running the beaters as this may damage the spreader.**

### SAFETY INSTRUCTIONS

#### OPERATING THE ENDGATE

**Contact of apron chain running with endgate closed will cause damage. To avoid contact with apron chain, endgate must be raised when running.**

Operate the endgate with the second auxiliary control valve lever.



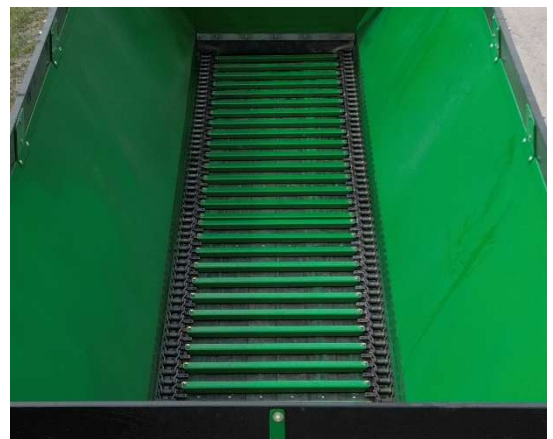
### SAFETY INSTRUCTIONS

#### OPERATING APRON CHAIN

To run apron chain lock hydraulic control lever in operating position on tractor.

See your tractor's operating manual for information on how to control flow rates of your hydraulic system.

Maximum hydraulic oil flow through the spreader apron chain motor is 15 gpm. Trying to force through more oil than this may cause serious damage to motor (relief factory set at 1250 psi)



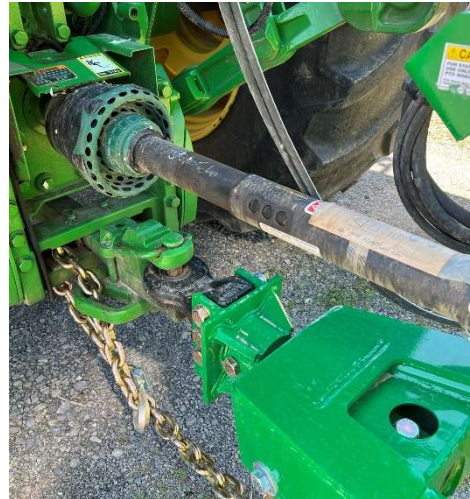
### **⚠ CAUTION** ATTACHING THE SPREADER

Help prevent personal injury caused by unexpected movement of the machine. Engage parking brake and/or place transmission in "PARK", shut off engine, and remove key before working around hitch.

1. Attach with a 1-1/2 in. pin and secure.

Shorten safety chain to allow only enough slack required for turning.

2. Lock safety hook onto chain.



### **SAFETY INSTRUCTIONS** CONNECTING AIR HOSES (AIR ASSIST BRAKES)

1. Connect red line to supply port.
2. Connect blue line to service/control port.



### **SAFETY INSTRUCTIONS** CONNECTING HOSES (HYDRAULIC BRAKES)

1. Connect pressure hoses to pressure ports of hydraulic remote coupler.
2. Connect return hoses to return ports of hydraulic remote coupler.

(Relief factory set 1000 psi)

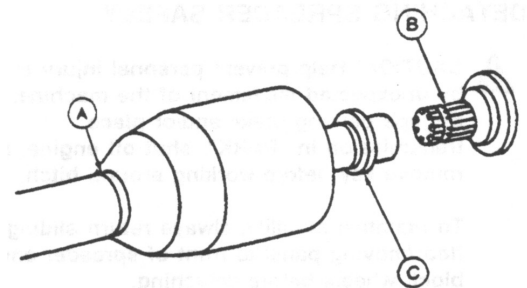


### **SAFETY INSTRUCTIONS** ATTACHING DRIVELINE

Avoid causing damage to shielding,

**DO NOT** use bell on driveline to lift driveline into position.

1. Support driveline, cradling it in your hand.
2. Rotate driveline (C) or tractor PTO (B) to align splines.
3. Pull collar (C) rearward and push forward on bell (A) to engage driveline yoke with tractor PTO (B).
4. Pull back on PTO driveline shielding to be sure driveline is locked. **DO NOT** pull on collar, this will release latch.



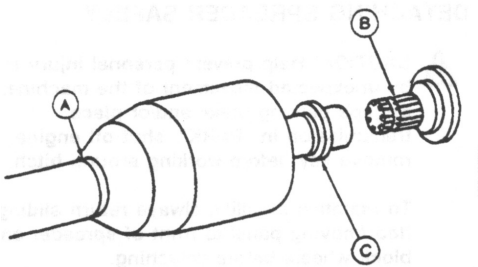
## DETACHING THE SPREADER



### SAFETY INSTRUCTIONS

## DETACHING SPREADER

1. Secure jack stand in lift position
2. Detach safety chain
3. Remove hitch pin
4. Disconnect hoses. Store on spreader



### SAFETY INSTRUCTIONS

## DETACHING DRIVELINE

1. Support driveline (A) and pull rearward on collar (C) to release driveline from tractor PTO (B).
2. When possible store driveline in driveline cradle provided with machine.
3. Replace tractor PTO shields.

SAFETY  
INSTRUCTIONS

## USING A SAFETY CHAIN

A safety chain will help control drawn equipment should it accidentally separate from the drawbar while transporting. Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning. See your Pik Rite dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine.



## NOTICE LIGHTING

When transporting the machine on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. Check local governmental regulations. Keep safety items in good condition. Replace missing or damaged items.

(Contact your Hydra-Pull Dealer for available lighting kit)

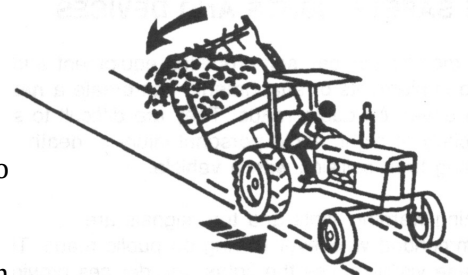
SAFETY  
INSTRUCTIONS

## TOWING LOADS

**Braking to stop towed loads from transport speeds can cause the towed load to swerve and upset. Reduce speed if towed load is not equipped with brakes and weighs more than the tractor.**

*Follow recommended speed-weight ratio guidelines:*

- Maximum speed is 20 mph (32 km/h) when towing loads equal to or less than the weight of the tractor.
- Reduce speed to 10 mph (16 km/h) when towing loads more than or up to double the tractor weight.
- **DO NOT** tow loads that exceed double the tractor weight.
- Use additional caution when towing loads under adverse road surface conditions (i.e. slippery or rough), when turning and/or on inclines.
- For proper tractor size and towing speed see the following "Recommended Maximum Towing Speed" chart.
- If necessary, add ballast as described in your tractor's Operator's Manual.



NOTICE RECOMMENDED MAXIMUM TOWING SPEED

| Tractor Weight   | *          | **         | ***        | ****       |
|------------------|------------|------------|------------|------------|
| (0-2997 lb)      | Do Not Tow | Do Not Tow | Do Not Tow | Do Not Tow |
| (2998-5950 lb)   | Do Not Tow | Do Not Tow | Do Not Tow | Do Not Tow |
| (5951-11021 lb)  | Do Not Tow | Do Not Tow | Do Not Tow | Do Not Tow |
| (11022-12123 lb) | Do Not Tow | Do Not Tow | Do Not Tow | Do Not Tow |
| (12124-14769 lb) | Do Not Tow | Do Not Tow | Do Not Tow | Do Not Tow |
| (14770-22044 lb) | Do Not Tow | Do Not Tow | Do Not Tow | Do Not Tow |
| (22045-24910 lb) | (20 mph)   | (10 mph)   | (10 mph)   | (10 mph)   |
| (24911-29540 lb) | (20 mph)   | (10 mph)   | (10 mph)   | (10 mph)   |
| (29541 lb-Up)    | (20 mph)   | (10 mph)   | (10 mph)   | (10 mph)   |

*\*Base Spreader Empty Load*

*\*\*Load struck level consisting of manure with high liquid content.*

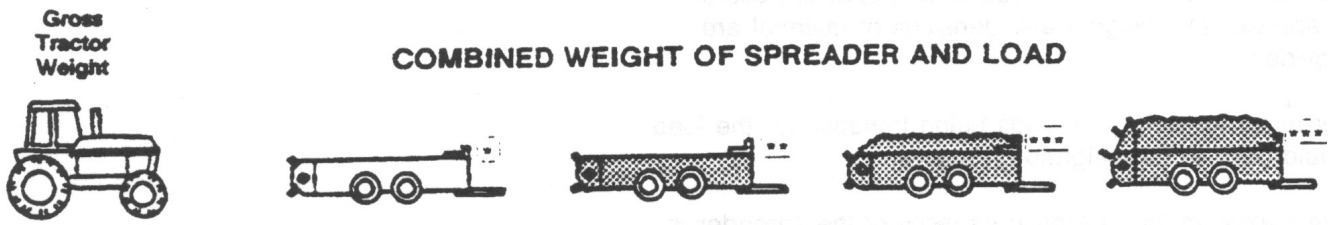
*Calculated at 70 lb/cu ft*

*\*\*\*Load piled 381 mm (15 in.) above beater consisting of semi-solid type manure*

*Calculated at 55 lb/cu ft*

*\*\*\*\*Load piled at 15 in. above optional upper beater consisting of semi-solid type manure.*

*Calculated at 55 lb/cu ft*



### SAFETY INSTRUCTIONS

### PREOPERATING CHECKS

1. Be sure spreader does not contain any foreign objects
2. Check for correct hydraulic hookup. Raise endgate fully. Engage beaters, engage apron chain
3. Disengage apron chain, disengage beaters
4. Close endgate

### CAUTION LOADING THE SPREADER

**Do not place rocks, timbers, or other solid objects in the spreader. Objects of this nature can damage the spreader and could also be thrown great distances causing possible injury to anyone standing in the vicinity.**

Load front of spreader first, distributing load evenly.

When operating without an endgate, avoid loading manure against the beater.



### CAUTION PREPARE TO UNLOAD THE SPREADER

**Help prevent personal injury. Be sure no one is near spreader and tractor before operating.**

Start beater by engaging PTO slowly at low engine rpm. Increase to "PTO RATED" speed.

**For best spreading results, operate tractor at "PTO RATED" speed.**

**Do not operate apron chain without running the beaters as this may damage the spreader.**



## OPERATING THE SPREADER

### **NOTICE** RAISE ENDGATE

**Contact of apron chain with endgate will cause damage. To avoid contact with apron chain, endgate must be raised fully.**

The endgate closes off the back end of the spreader to contain manure with high liquid content.

The endgate also prevents solid material from being piled tight against the beater.

### **SAFETY INSTRUCTIONS** UNLOADING SPREADER USING METERING VALVE

1. Set flow control on tractor hydraulics obtain desired rate of unload speed.

**Rate of spread is affected by both ground speed and unload speed. Experience will help you determine both gear selection and control knob setting.**

2. When spreader is empty, disengage apron chain, disengage PTO, and lower endgate.



### **SAFETY INSTRUCTIONS** PRODUCING GOOD SPREADING RESULTS

1. Operate tractor engine at “PTO RATED” speed.
2. Do not overload beater. A clumpy spread pattern will result from too fast of an unload rate.
3. When operating without an endgate, avoid loading material against the beater. Otherwise, large clumps of material will be thrown out during the first few turns of the beater.

### **NOTICE** CLEANING SPREADER IN COLD WEATHER

When operating the spreader during extended periods of subfreezing temperatures, frozen material may build up on steel surfaces. This can prevent the beater from moving.

After completing spreading for the day, use the following cleaning procedure.

**Cleaning is only necessary during extended periods of subfreezing temperatures.**

Remove material along edges of apron chain

Remove material buildup from endgate panel. Keep endgate arms clean to prevent freezing to side rails.

### **NOTICE** CLEAN WALKING BEAM

When tire valve stems are mounted towards the inside, clean top of walking beams to prevent valve stem damage.

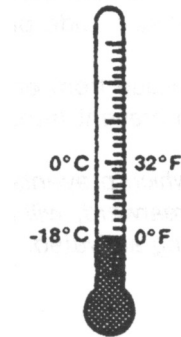


### **NOTICE** WARMING HYDRAULIC OIL TEMPERATURES BELOW 0°F (-18°C)

It is necessary to warm the hydraulic oil for proper spreader operation.

Follow the procedures in your tractor's Operator's Manual for warming hydraulic oil.

The following procedures apply only to tractors with a closed center hydraulic system.



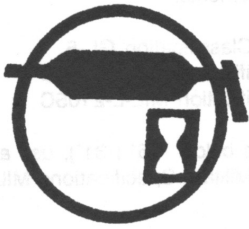
### **NOTICE** BYPASSING SPREADER CONTROL VALVE

There will be a large hydraulic oil pressure drop across the auxiliary flow control valve when the oil is cold. Oil pressure available to hydraulic cylinders may be too low.

Try cycling the cylinders several times slowly so the cold oil in the cylinders is mixed with the warm oil in the tractor. In the event of extreme cold; you may need to bypass the control valve to do this. Be sure you begin by moving the cylinders very slowly.

Reconnect hoses to flow control valve.

## LUBRICATION AND MAINTENANCE



### **⚠ CAUTION** LUBRICATING AND MAINTAINING SPREADER

Help prevent personal injury caused by unexpected movement of the machine. If spreader is connected to tractor, disengage PTO, engage parking brake and/or place transmission in "PARK", shut off engine, and remove key. If spreader is detached, block wheels and use safety stands.

Replace all shields after lubricating or servicing.

### **NOTICE** OBSERVING INTERVALS

The intervals recommended are based on normal conditions. Severe or unusual conditions may require more frequent attention.

### **NOTICE** SELECTING GREASE

Depending upon the expected air temperature range during the service interval, use grease as shown on the adjusting temperature chart.

SAE-Multipurpose High Temperature Grease with Extreme Pressure [EP] Performance with 3 to 5% molybdenum disulfide.

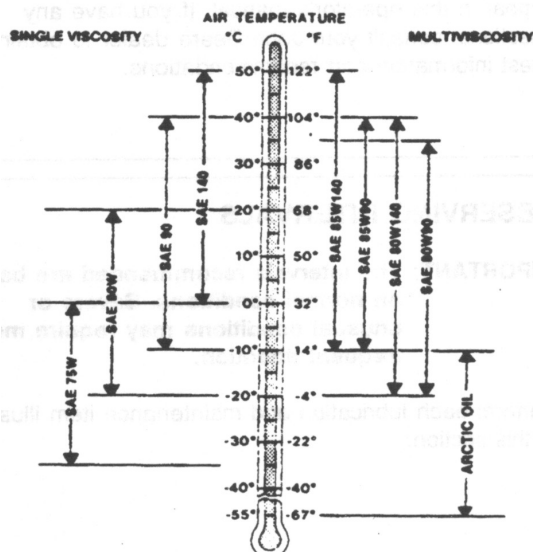
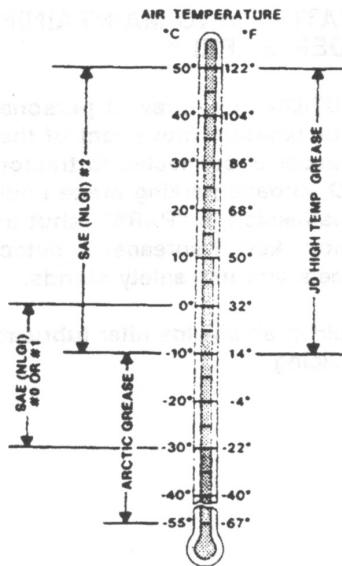
Moly-type grease is recommended, however, if not available, multipurpose grease is acceptable.

### **NOTICE** SELECTING GEAR CASE OIL

Depending upon the expected air temperature range during the drain interval, use oil viscosity shown on the adjoining temperature chart.

- API Service Classification GL-5
- Military Specification MIL-L-2105B
- Military Specification MIL-L-2105C

At temperatures below -35° [-31°], use arctic oils such as those meeting Military Specifications MIL-G-10324A.



## NOTICE

## SERVICE INTERVALS

- Change gearbox lubricant every 6,000 loads

### EVERY 8 HOURS

- Lubricate driveline
- Check gear case oil level
- Check tires
- Check axle hub oil

### EVERY 40 HOURS

- Lubricate top beater bearings
- Grease apron chain drive bearings & sprockets

### EVERY 50 HOURS

- Adjust apron chain
- Tighten wheel hardware
- Lubricate walking beam pivots

### EVERY 250 HOURS

- Lubricate endgate pivots

### SERVICE AS REQUIRED

- Adjust apron chain tension
- Slip the clutch

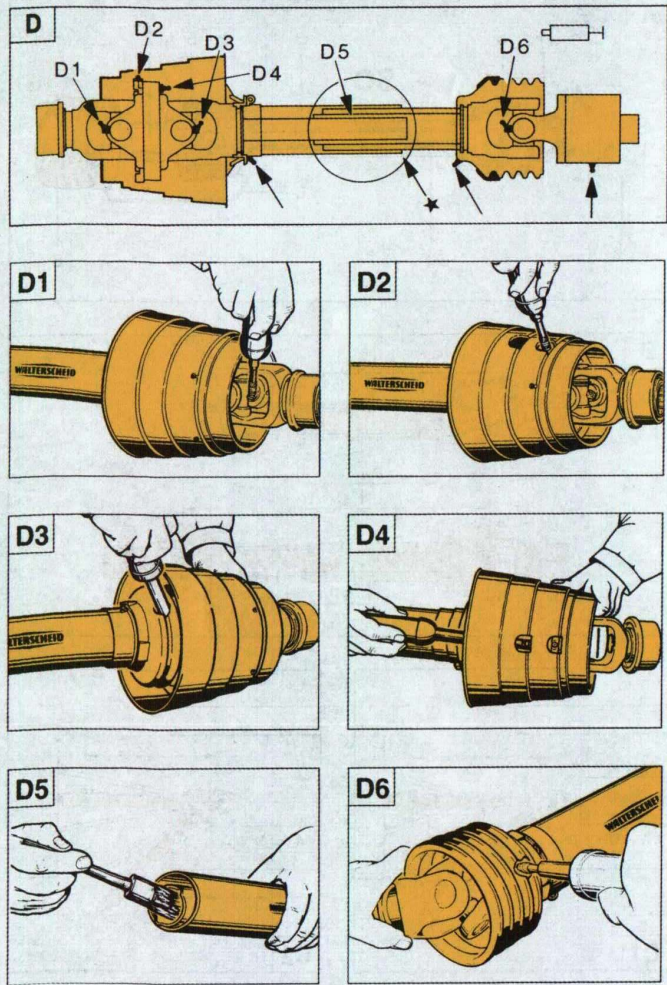
In addition to the above referenced information, you are working with a central lube CV design on the primary that contains a special lubrication provision that needs to be well defined for the user so that extended life on the CV can be achieved.

The key point is that each CV has one zerk in a bearing cap and it is this zerk that is most important since it feeds the inboard cross kit as well as the the ball and socket of the CV. The user needs to understand that the zerk in the cap should receive **15-20 pumps** of grease each day while the other zerks in the joint

CV housing and telescoping members can operate with 5-6 pumps or until the seals purge. The plastic zerks feeding the shielding should also receive 3-4 pumps daily if shields are being restrained.

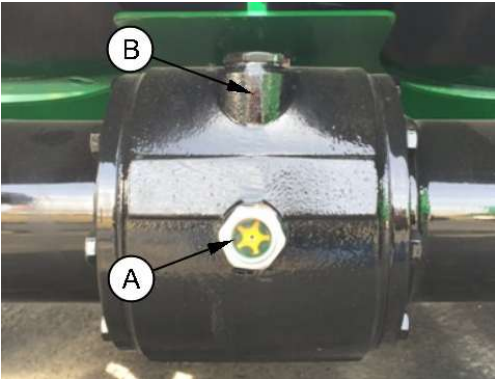
Primary Driveline (to Tractor) Lubricate fittings D1 through D6 every eight hours of operation.

Secondary Driveline (under spreader) Lubricate as above including overrunning clutch.



**NOTE:** Lubrication step D5 is only necessary when driveline does not have grease fitting. Separate front and rear halves of driveline and brush with grease.

LUBRICATION AND MAINTENANCE



**NOTICE** CHECK GEAR CASE OIL LEVEL

Add recommended oil as needed. (See Selecting Gear Case Oil)  
To add oil, remove fill cap at the top of the gearcase “B”

With spreader on level ground, check oil level at the sight glass on the center gearcase “A”



**NOTICE** GREASE TOP BEATER BEARINGS

Grease the two bearings at the top of the vertical beaters every 8 hours of operation. Rear grease bank on beater side panel



**SAFETY INSTRUCTIONS** CHECKING TIRES

- 1. Check tires daily for damage or noticeably low pressure.
- 2. Repair any cuts or breaks as soon as possible.
- 3. Protect tires from exposure to sunlight and petroleum products or chemicals.

| <u>Tire Size</u> | <u>Wheel Size</u> | <u>Tire Pressure</u> |
|------------------|-------------------|----------------------|
| 710/50-26.5      | 26.5 x 28         | 60 psi               |
| 750/60-30.5      | 30.5 x 29.5       | 40 psi               |

### SAFETY INSTRUCTIONS

## LUBRICATE WALKING BEAM PIVOTS

1. Place a jack under the spreader main frame.
2. Raise spreader enough to relieve weight from walking beam.
3. Lubricate grease bank (A) with Moly High Temperature/Extreme Pressure Grease.



### NOTICE TIGHTENING THE CHAIN

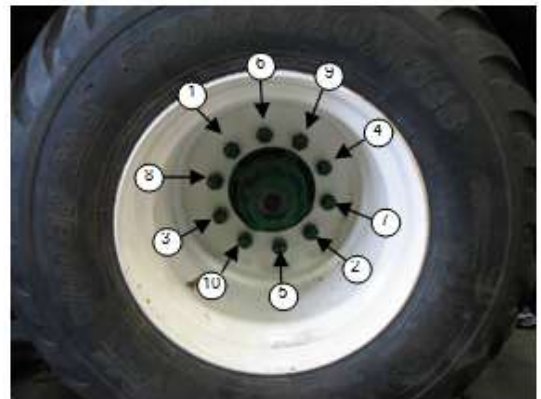
1. Loosen the jam nut at the bearing enough to adjust.
2. Tighten the nut at the end of the threaded rod so the spring length is 10" (between the plates).
3. Retighten the jam nut.



### NOTICE TIGHTENING WHEEL HARDWARE

Operating the spreader with loose wheel hardware will damage the hub or wheel. Tighten hardware after initial transport, after one hour of operation, and every fifty hours thereafter.

Tighten to 375 lb.-ft. in the sequence shown.



### NOTICE LUBRICATE CHAIN DRIVE

Before long periods of storage, always oil the chain. Run the chain with both ball valves fully open for 5 minutes. Approximately usage will be a quart of oil every lubrication cycle

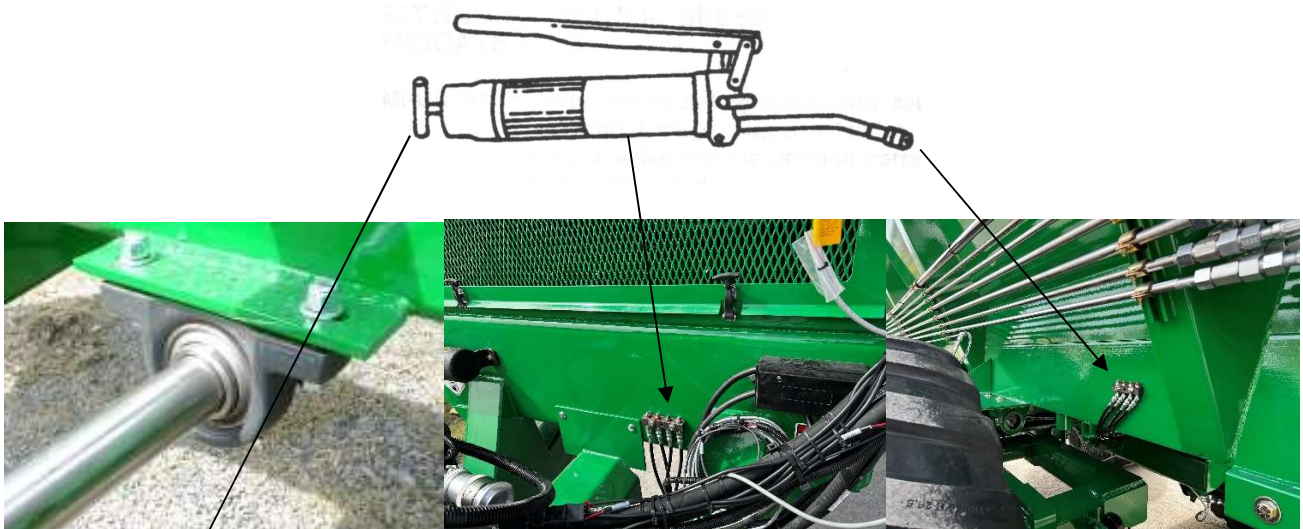


## LUBRICATION AND MAINTENANCE

### LUBRICATE THE SIX PILLOW BLOCKS

Located under the spreader, they carry the main power shaft, using central grease locations

Lubricate grease fitting with Moly High Temperature/Extreme Pressure Grease



### LUBRICATE WALKING BEAMS

Using grease banks attached to side rails (two on each side).



### MAINTAINING SLIP CLUTCH, WALTERSCHEID

The clutch is preset and is not field adjustable

If you determine that your slip clutch needs maintenance or adjustment, contact your dealer

TRACTOR SIZE

Minimum recommended 200 hp PTO

WEIGHT

Spreader, Complete with Implement tires  
And all Attachments 19,700 lb.

LOAD CAPACITY 48,400 lb.

VOLUME CAPACITY

Struck Level 707 cu. ft.  
Heaped Load 1058 cu. ft.

SPINNER SPEED 520 rpm

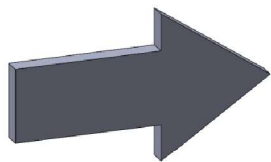
UNLOADING SPEED

Infinitely Variable 0-16 ft/min

DRIVELINE

Shielded 1000 rpm

SPECIFICATIONS AND DESIGN SUBJECT TO CHANGE WITHOUT NOTICE



**DIRECTION ARROWS**

ARROWS ARE USED WITH ILLUSTRATIONS TO INDICATE THE FRONT OF THE UNIT. “RIGHT-HAND” AND “LEFT-HAND” SIDES ARE DETERMINED BY FACING THE DIRECTION OF MACHINE FORWARD TRAVEL.

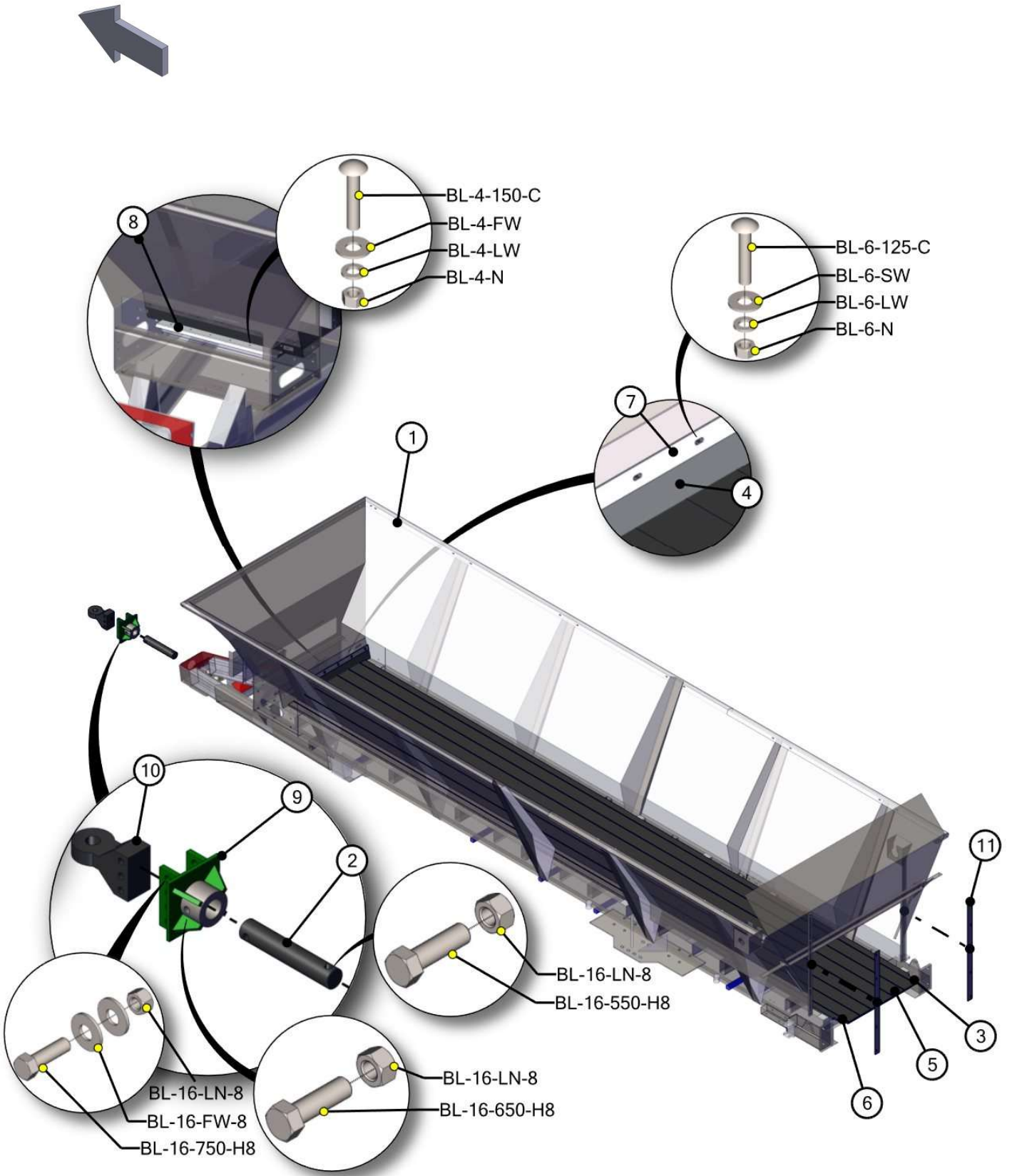
**REFERENCE NUMBER IDENTIFICATION**

| REF NO. | DESCRIPTION                                      |
|---------|--------------------------------------------------|
| 000-099 | PARTS USED FOR ASSEMBLY                          |
| 100-199 | BOLTS AND FASTENERS                              |
| 200-299 | ELECTRICAL COMPONENTS                            |
| 800-899 | REPLACEMENT PARTS<br>(USED TO REPAIR ASSEMBLIES) |

PAGE LEFT BLANK  
INTENTIONALLY

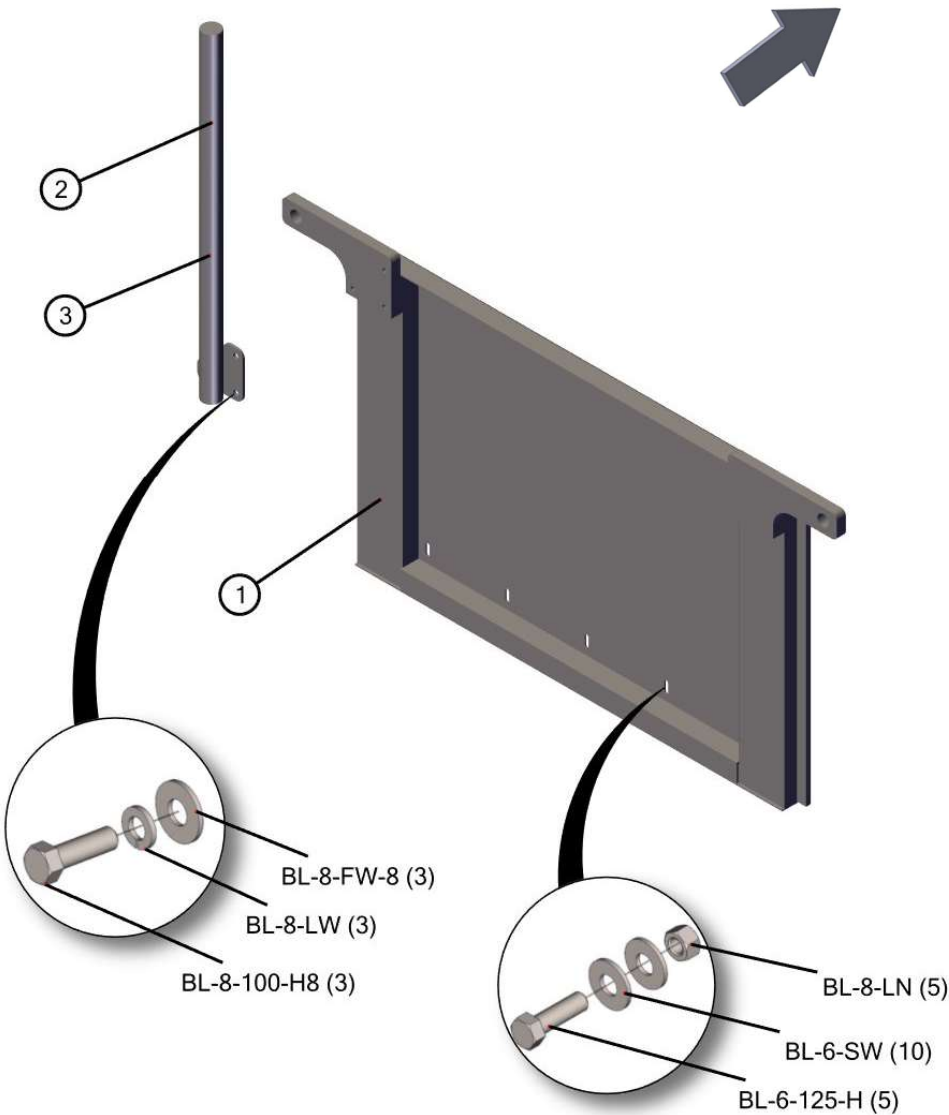
## 77023-1-01 MAIN FRAME

| REF | PART         | DESCRIPTION                          | QTY | WILL FIT SN | REMARKS |
|-----|--------------|--------------------------------------|-----|-------------|---------|
| 1   | PR72030      | Main Frame, HP25LL                   | 1   |             |         |
| 2   | PR63101      | Hitch Shaft, Hardened, Long          | 1   |             |         |
| 3   | PR72100      | Poly Board, RH, Custom Cut           | 1   |             |         |
| 4   | PR72102      | Front Belting, Belting               | 1   |             |         |
| 5   | PR72101      | Poly Board, Cut to 305.5             | 6   |             |         |
| 6   | PR72104      | Poly Board, LH, Custom Cut           | 1   |             |         |
| 7   | PR72103      | Front Belting Bar                    | 1   |             |         |
| 8   | PR72105      | Front Floor Trim Plate               | 1   |             |         |
| 9   | PR80007      | Load Cell Mount, Hitch Area, 1880 VB | 1   |             |         |
| 10  | TH-0002      | Bull-Pull Articulating Hitch, 3-Bolt | 1   |             |         |
| 11  | PR72016      | Endgate backing bar                  | 2   |             |         |
| 100 | BL-4-150-C   | 1/4-20 X 1-1/2 CARRIAGE BOLT G5 ZC   | 78  |             |         |
| 101 | BL-4-FW      | 1/4 USS FW ZC                        | 78  |             |         |
| 102 | BL-4-LW      | 1/4 SPLIT LW ZC                      | 78  |             |         |
| 103 | BL-4-N       | 1/4-20 HEX FIN NUT ZC                | 78  |             |         |
| 104 | BL-16-750-H8 | 1-8 X 7-1/2 HH C/S G8 ZC             | 3   |             |         |
| 105 | BL-16-650-H8 | 1-8 X 6-1/2 HH C/S G8 ZC             | 1   |             |         |
| 106 | BL-16-550-H8 | 1-8 X 5-1/2 BOLT HH C/S G8 ZC        | 1   |             |         |
| 107 | BL-16-SW-8   | 1' SAE FW G8 ZC                      | 6   |             |         |
| 108 | BL-16-LN-8   | 1 H LN ZC G8                         | 5   |             |         |
| 109 | BL-6-125-C   | 3/8-16 X 1-1/4 CARRIAGE BOLT G5 ZC   | 7   |             |         |
| 110 | BL-6-SW      | 3/8 SAE FW ZC                        | 7   |             |         |
| 111 | BL-6-LW      | 3/8 SPLIT LW ZC                      | 7   |             |         |
| 112 | BL-6-N       | 3/8-16 HEX NUT ZC                    | 7   |             |         |



77021-1-03 GUILLETINE ENDGATE

| REF | PART        | DESCRIPTION                          | QTY | WILL FIT SN | REMARKS |
|-----|-------------|--------------------------------------|-----|-------------|---------|
| 1   | PR72004     | Guillettine Endgate, Lime/Litter     | 1   |             |         |
| 2   | PR72011     | Endgate Marker                       | 1   |             |         |
| 3   | DC-0123     | Ruler Decal, HP500, Tailgate Opening | 1   |             |         |
| 100 | BL-8-100-H8 | 1/2 X 1 HH G8                        | 3   |             |         |
| 101 | BL-8-LW     | 1/2 SPLIT LW ZC                      | 3   |             |         |
| 102 | BL-8-FW-8   | 1/2 FW G8 ZC                         | 3   |             |         |
| 103 | BL-6-125-H  | 3/8-16 X 1-1/4 HHCS G5 ZC            | 5   |             |         |
| 104 | BL-6-SW     | 3/8 SAE FW ZC                        | 10  |             |         |
| 105 | BL-6-LW     | 3/8 SPLIT LW ZC                      | 5   |             |         |



## 77021-1-04 TIRES AND WHEELS, 710/50-26.5

| REF | PART     | DESCRIPTION                                             | QTY | WILL FIT SN | REMARKS |
|-----|----------|---------------------------------------------------------|-----|-------------|---------|
| 1   | WHM-7120 | 710/50R-26.5 Tire & Wheel Assy, 335mm BCD, Mounted, ADR | 4   |             |         |
| 801 | WHT-7101 | Tire, 560/60R22.5 , Vredestein Flotation Trac, 161D TL  | 1   |             |         |
| 802 | WHL-7104 | Wheel, 16 x 22.5 - 7/15, 3/8" (+) Offset, HD, Painted   | 1   |             |         |



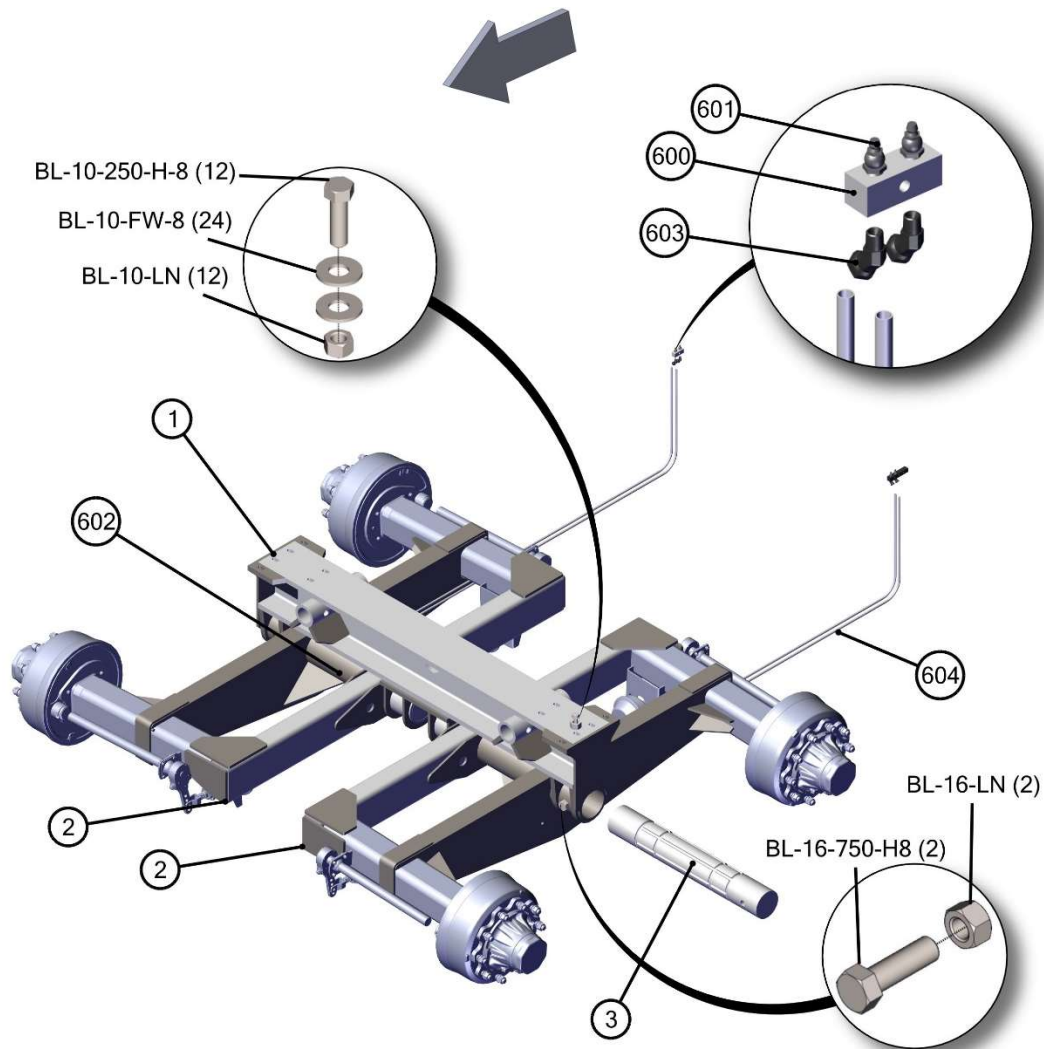
## 77021-1-04A OPTIONAL TIRES AND WHEELS, 750/60-30.5

| REF | PART     | DESCRIPTION                                            | QTY | WILL FIT SN | REMARKS |
|-----|----------|--------------------------------------------------------|-----|-------------|---------|
| 1   | WHM-7121 | 750/60-30.5 Tire & Wheel Assy, 335mm BCD, Mounted, ADR | 4   |             |         |



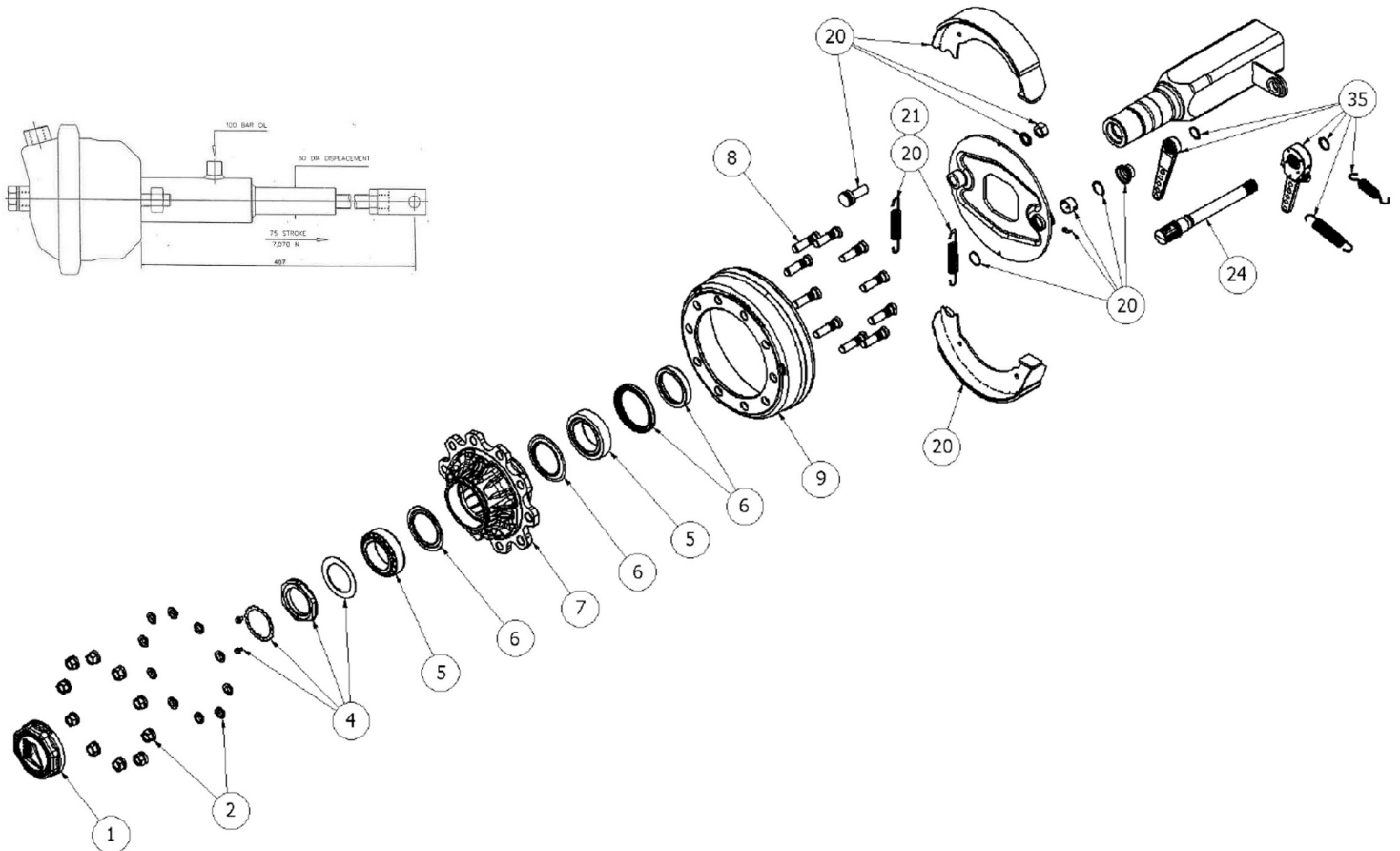
## 77021-1-06 WALKING BEAM

| REF | PART           | DESCRIPTION                            | QTY | WILL FIT SN | REMARKS |
|-----|----------------|----------------------------------------|-----|-------------|---------|
| 1   | PR72800        | Axle I Beam, Lime/Litter               | 1   |             |         |
| 2   | PR72801        | Rocker, Walking Beam, Lime/Litter      | 2   |             |         |
| 3   | PR72803        | Shaft, Walking Beam Pivot, Lime/Litter | 2   |             |         |
| 101 | BL-16-750-H8   | 1-8 X 7-1/2 HH C/S G8 ZC               | 2   |             |         |
| 102 | BL-16-LN-8     | 1 H LN ZC G8                           | 2   |             |         |
| 103 | BL-10-LN       | 5/8-11 HEX LN NE ZC                    | 12  |             |         |
| 104 | BL-10-FW-8     | 5/8 FW G8                              | 24  |             |         |
| 105 | BL-10-250-H-8  | 5/8-11 X 2-1/2 HH G8 ZC                | 12  |             |         |
| 600 | GF-2-2         | 2' Grease Manifold                     | 1   |             |         |
| 601 | GF-1827        | Grease Fitting 1/8 NPT Straight        | 4   |             |         |
| 602 | A-1501-2-2     | 1/8' MP x 1/8' FPX90-                  | 4   |             |         |
| 603 | A-1503-2-2     | 1/8' MP x 1/8' FPX 45-                 | 4   |             |         |
| 604 | H2-102-2MP-2MP | 1/8' Hose 1/8MP x 1/8MP x 102' L       | 4   |             |         |



## 77021-1-06A ADR SQUARE AXLE

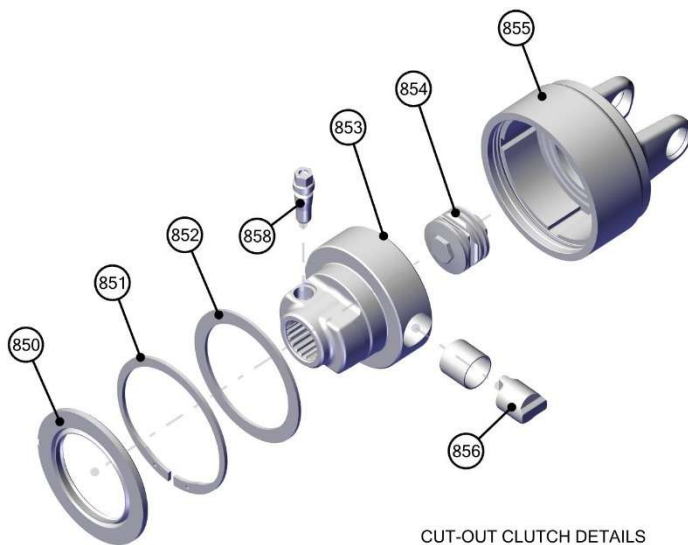
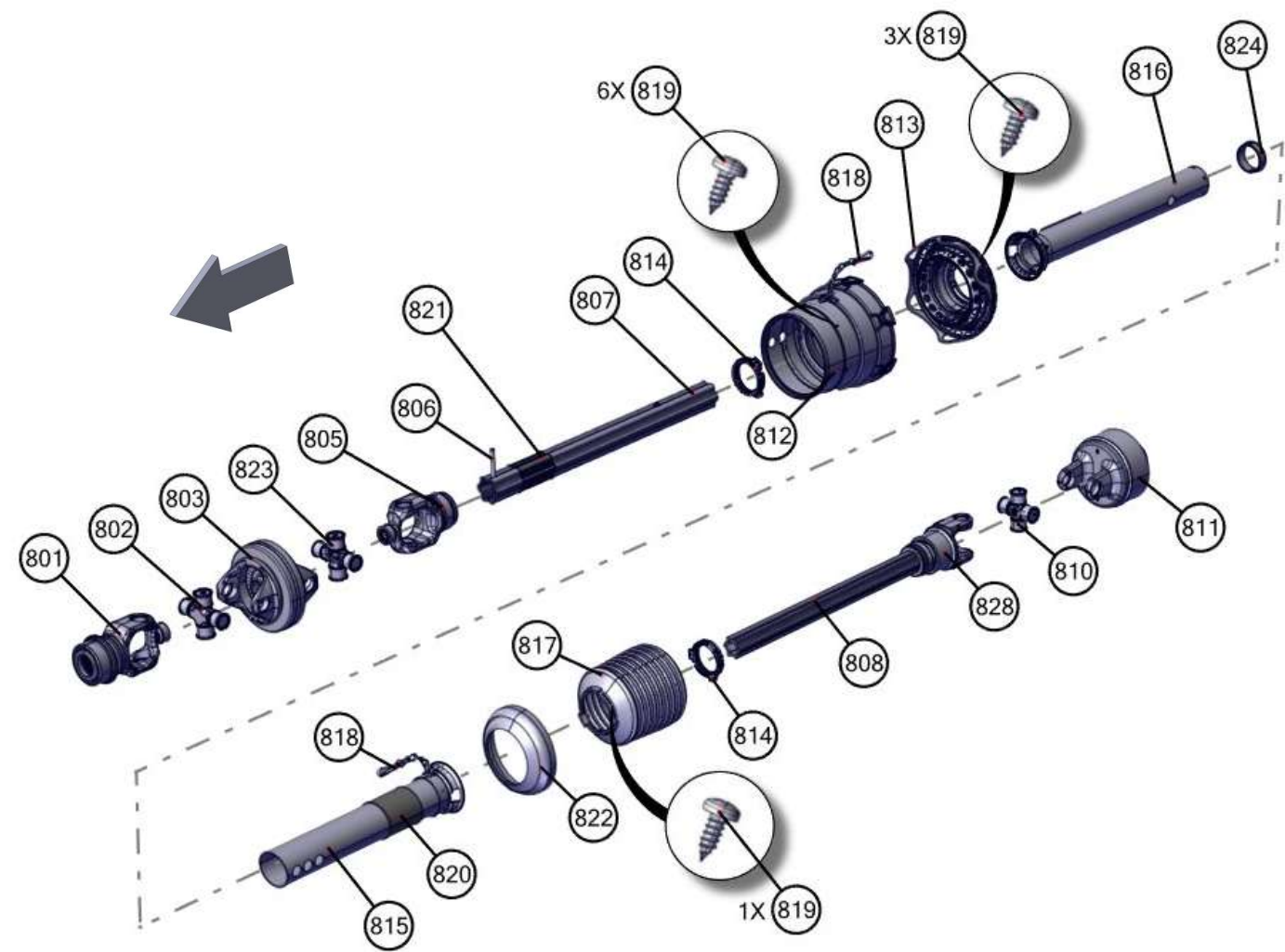
| REF | PART         | DESCRIPTION                          | QTY | WILL FIT SN | REMARKS |
|-----|--------------|--------------------------------------|-----|-------------|---------|
| 1   | PR60124-A-1  | Outer Cap & O-Ring                   | 0   |             |         |
| 2   | PR60124-A-2  | Lug Nuts & Washers (10 each)         | 0   |             |         |
| 4   | PR60124-A-4  | Ring Nut Locking Kit (5 pieces)      | 0   |             |         |
| 5   | PR60124-A-5  | Bearings, Front & Rear               | 0   |             |         |
| 6   | PR60124-A-6  | Seal Kit (4 pieces)                  | 0   |             |         |
| 7   | PR60124-A-7  | Hub                                  | 0   |             |         |
| 8   | PR60124-A-8  | Studs (10 pieces)                    | 0   |             |         |
| 9   | PR60124-A-9  | Drum                                 | 0   |             |         |
| 20  | PR60124-A-20 | Brake Assembly, Includes Springs (2) | 0   |             |         |
| 21  | PR60124-A-21 | Replacement Springs (2)              | 0   |             |         |
| 24  | PR60124-A-24 | Cam Shaft, 32 Teeth Module           | 0   |             |         |
| 25  | PR60124-A-25 | Replacement Cam Shaft                | 0   |             |         |
| 35  | PR60124-A-35 | Lever Parts (6 pieces)               | 0   |             |         |
| 36  | PR60124-A-50 | Actuator, Dual Control, Brake, 20/30 | 0   |             |         |



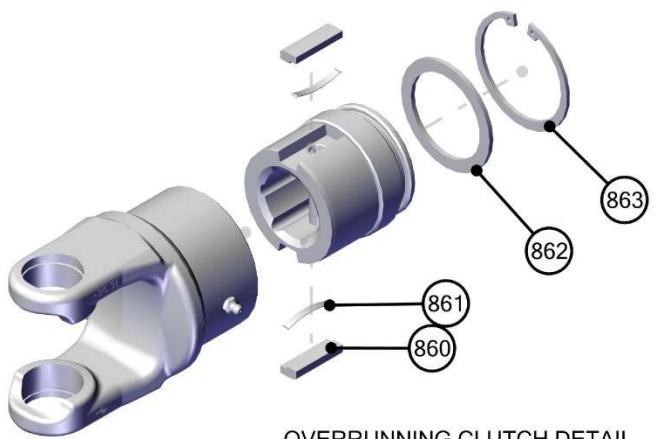
## 77021-2-01 FRONT DRIVELINE, 1000RPM, 1-3/4"

| REF | PART        | DESCRIPTION                                  | QTY | WILL FIT SN        | REMARKS            |
|-----|-------------|----------------------------------------------|-----|--------------------|--------------------|
| 1   | PTS-1025    | Driveline, 1-3/4'-20 Spline, PWE580 HD Shaft | 1   |                    |                    |
| 801 | PTS-1021A   | Yoke, 1-3/4'-20 Spl. ASG                     | 1   |                    | Special Order Only |
| 802 | PTS-1021B   | Cross & Bearing Kit                          | 1   |                    | Special Order Only |
| 803 | PTS-1005B   | Double Yoke                                  | 1   |                    | Special Order Only |
| 805 | PTS-1021C   | Inboard Yoke S5                              | 1   |                    | Special Order Only |
| 806 | PTB-1014C   | Spring Pin 10 X 75                           | 1   |                    | Special Order Only |
| 807 | PTS-1025A   | Outer Profile 55GL                           | 1   |                    |                    |
| 808 | PTS-1024A   | Overrunning Clutch & S4LGA Profile Assy.     | 1   |                    |                    |
| 810 | PTS-4001B   | Extended Lube Cross & Bearing Kit            | 1   | Walterscheid Yokes | Special Order Only |
| 811 | PTS-1021E   | Cut-Out Clutch                               | 1   |                    | Special Order Only |
| 812 | PTS-1021K   | CV Guard & Bearing Assy                      | 1   | Replaces PTS-1005K | Special Order Only |
| 813 | PTS-1015M   | Flex Net & Guard Assy                        | 1   |                    |                    |
| 814 | PTS-1002J   | PTO Shield Bearing Ring                      | 2   |                    | Special Order Only |
| 815 | PTS-1025C   | Guard Tube Outer                             | 1   |                    |                    |
| 816 | PTS-1025B   | Guard Tube Inner                             | 1   |                    |                    |
| 817 | PTS-1021F   | Guard Cone 9 Rib                             | 1   |                    | Special Order Only |
| 818 | PTS-1002K   | PTO Shield Safety Chain                      | 2   |                    | Special Order Only |
| 819 | PTS-1010K   | Screw                                        | 10  |                    | Special Order Only |
| 820 | PTS-1010L   | Decal, Outer                                 | 1   |                    | Special Order Only |
| 821 | PTS-1010M   | Decal, Inner                                 | 1   |                    | Special Order Only |
| 822 | PTS-8100D   | Reinforcing Collar                           | 1   |                    | Special Order Only |
| 823 | PTS-1021G   | Cross & Bearing Kit                          | 1   |                    | Special Order Only |
| 824 | PTS-1021H   | Support Bearing                              | 1   |                    | Special Order Only |
| 825 | PTB-1014L   | Zerk                                         | 1   |                    | Special Order Only |
| 826 | PTS-1009J   | Decal                                        | 1   |                    | Special Order Only |
| 827 | PTS-1021P   | Lubrication Decal                            | 1   | Replaces PTS-1008Q | Special Order Only |
| 828 | PTS-1008C   | Zerk, Double Yoke                            | 1   |                    | Special Order Only |
| 829 | PTS-1008R   | ASG Collar Kit                               | 1   |                    | Special Order Only |
| 830 | PTS-1009K   | CC Lock Assembly                             | 1   |                    | Special Order Only |
| 831 | PTS-1025-FH | Front Half, Drive Shaft                      | 1   |                    |                    |
| 832 | PTS-1025-RH | Rear Half, Drive Shaft                       | 1   |                    |                    |
| 850 | PTS-1009E-G | Sealing Ring                                 | 1   |                    | Special Order Only |
| 851 | PTS-1009E-F | Retaining Ring                               | 1   |                    | Special Order Only |
| 852 | PTS-1009E-E | Washer                                       | 1   |                    | Special Order Only |
| 853 | PTS-1009E-C | Hub                                          | 1   |                    | Special Order Only |
| 854 | PTS-1021E-B | Spring Pack                                  | 1   |                    | Special Order Only |
| 855 | PTS-1021E-A | Housing                                      | 1   |                    | Special Order Only |
| 856 | PTS-1009E-A | Cam                                          | 2   |                    | Special Order Only |
| 857 | PTS-1009K   | CC Lock Assy                                 | 1   |                    | Special Order Only |
| 860 | PTS-1010F-A | Key                                          | 2   |                    |                    |
| 861 | PTS-1010F-B | Leaf Spring                                  | 2   |                    |                    |
| 862 | PTS-1010F-F | Supporting Ring                              | 1   |                    | Special Order Only |
| 863 | PTS-1010F-G | Retaining Ring                               | 1   |                    | Special Order Only |

77021-2-01 FRONT DRIVELINE, 1000RPM, 1-3/4"



CUT-OUT CLUTCH DETAILS

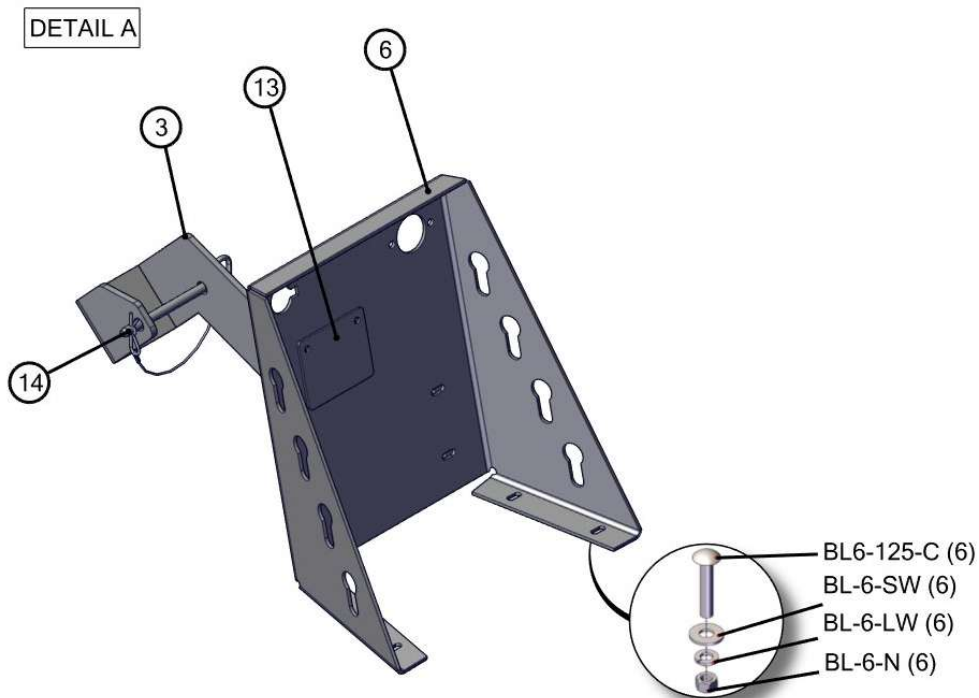
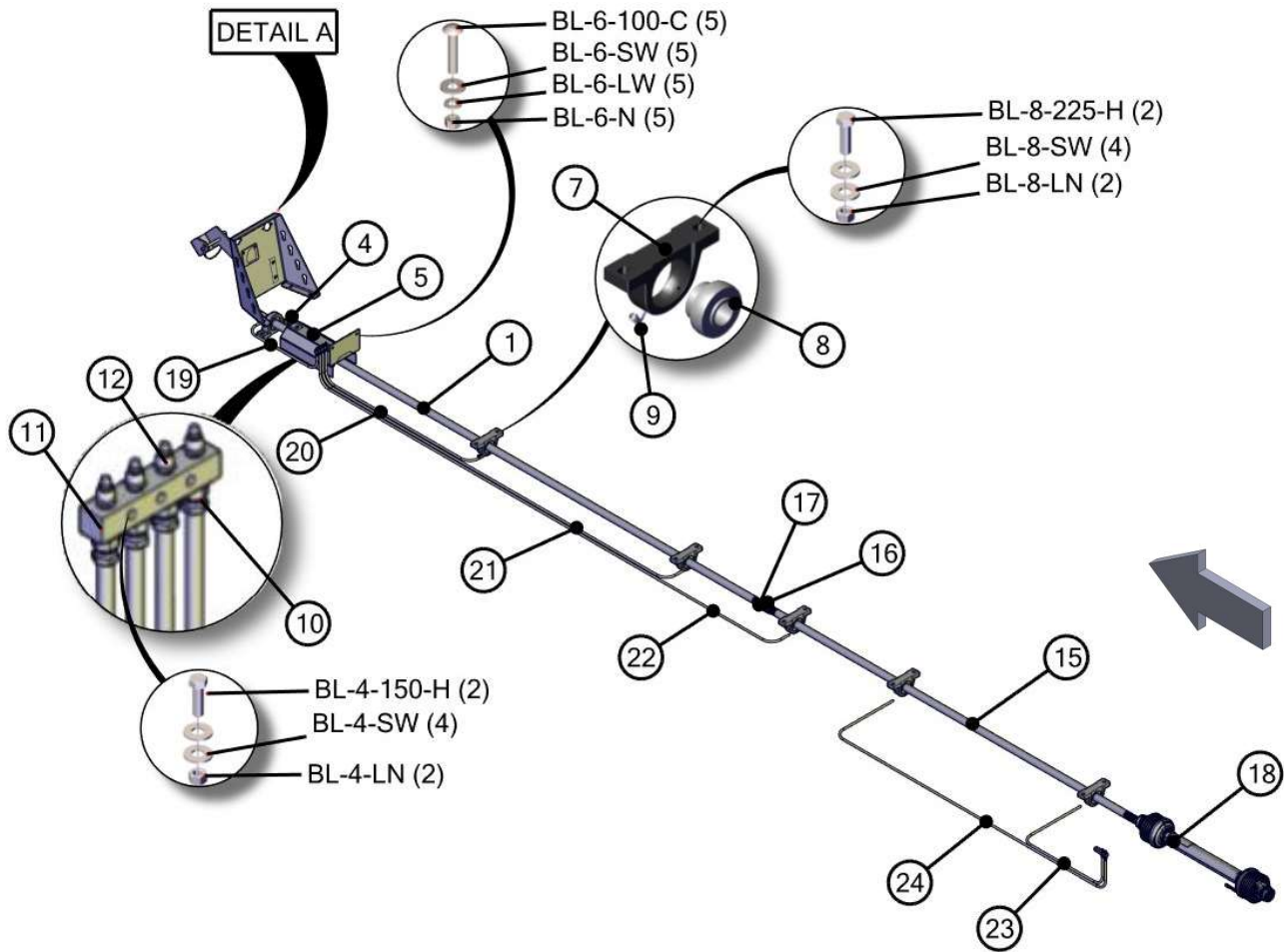


OVERRUNNING CLUTCH DETAIL

## 77023-2-02 MAIN DRIVE SHAFT

| REF | PART           | DESCRIPTION                                        | QTY | WILL FIT SN | REMARKS |
|-----|----------------|----------------------------------------------------|-----|-------------|---------|
| 1   | PR60101        | Main Drive Shaft, HP900                            | 1   |             |         |
| 3   | PR70606        | PTO Holder, HP900                                  | 1   |             |         |
| 4   | PR70132        | Mount, Driveline Shield                            | 1   |             |         |
| 5   | PR72014        | Drive Shaft Shield,, Lime/Litter                   | 1   |             |         |
| 6   | PR70269        | Hose Mount                                         | 1   |             |         |
| 7   | BR-100-RAK     | Bearing Housing 100 mm                             | 6   | 11001       | *E1     |
| 8   | BR-175-100     | Heavy Duty 1-3/4" Bearing                          | 6   |             | *D1     |
| 9   | A-1501-2-2     | 1/8 MP x 1/8 FPX90-                                | 6   |             |         |
| 10  | A-1404-2-2     | 1/8 MP x 1/8 FPX                                   | 4   |             |         |
| 11  | GF-4-4         | 4' Grease Manifold                                 | 2   |             |         |
| 12  | GF-1827-45     | Grease Fitting 1/8 NPT 45°                         | 7   |             |         |
| 13  | PR70131        | Cover, Flow Control Cutout                         | 1   |             |         |
| 14  | PIN-500-575    | Pin 1/2 x 5-3/4 w/Lanyard & hairpin Clip           | 1   |             |         |
| 15  | PR60402        | Main Drive Shaft, HR880, HP880, HP900              | 1   |             |         |
| 16  | PIN-4-36       | Roll Pin 1/4' x 2.25                               | 1   |             |         |
| 17  | PR60404        | Coupler, 1.75 x 20 Spline, 12/24 Pitch, P.A. 30-   | 1   |             |         |
| 18  | PTS-1026       | Driveline, 1-3/4-20 Spline, 2500Series, Rear Drive | 1   | 77023005-   |         |
| 19  | H2-39-2MP-2MP  | 1/8' Hose, 1/8' Male Pipe x 1/8' Male Pipe, 39     | 1   |             |         |
| 20  | H2-78-2MP-2MP  | 1/8 in grease Hose 1/8MP x 1/8MP x 78in Long       | 1   |             |         |
| 21  | H2-155-2MP-2MP | 1/8' Hose, 1/8' Male Pipe x 1/8' Male Pipe, 155    | 1   |             |         |
| 22  | H2-191-2MP-2MP | 1/8' Hose, 1/8' Male Pipe x 1/8' Male Pipe, 191    | 1   |             |         |
| 23  | H2-54-2MP-2MP  | 1/8in Hose x 1/8MP x 1/8MP x 54in                  | 1   |             |         |
| 24  | H2-116-2MP-2MP | 1/8 in grease hose 1/8MP x 1/8MP x 116 in long     | 1   |             |         |
| 100 | BL-4-150-H     | 1/4-20 X 1-1/2 HEX CAP G5 ZC                       | 2   |             |         |
| 101 | BL-4-FW-8      | 1/4 FW G8                                          | 8   |             |         |
| 102 | BL-4-LN        | 1/4-20 HEX LN NE ZC                                | 4   |             |         |
| 103 | BL-6-100-C     | 3/8-16 X 1 CARRIAGE BOLT G5 ZC                     | 5   |             |         |
| 104 | BL-6-075-C     | 3/8 UNC X ¾ CARRIAGE BOLT GR5 ZINC                 | 8   |             |         |
| 105 | BL-6-SW        | 3/8 SAE FW ZC                                      | 13  |             |         |
| 106 | BL-6-LW        | 3/8 SPLIT LW ZC                                    | 13  |             |         |
| 107 | BL-6-N         | 3/8-16 HEX NUT ZC                                  | 13  |             |         |
| 108 | BL-8-225-H8    | 1/2 X 2-1/4 HH G8                                  | 12  |             |         |
| 109 | BL-8-SW        | 1/2 SAE FW ZC                                      | 24  |             |         |
| 110 | BL-8-LN        | 1/2-13 LN NYLON INSERT ZC                          | 12  |             |         |
| 111 | BL-4-225-H     | 1/4 UNC X 2-1/4 HH C/S BOLT G5 ZC                  | 2   |             |         |

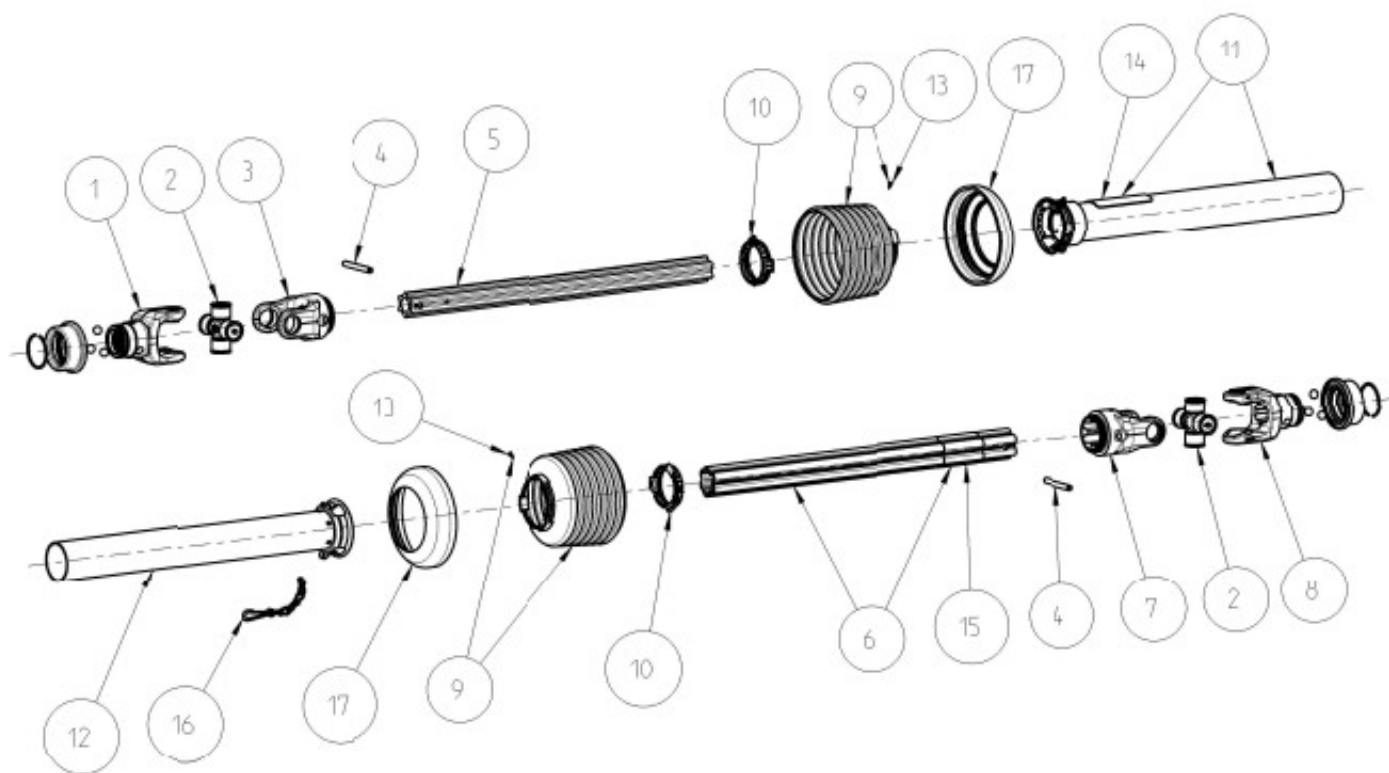
## 77023-2-02 MAIN DRIVE SHAFT



## 77024-2-02A REAR DRIVE SHAFT, PARTS BREAKDOWN

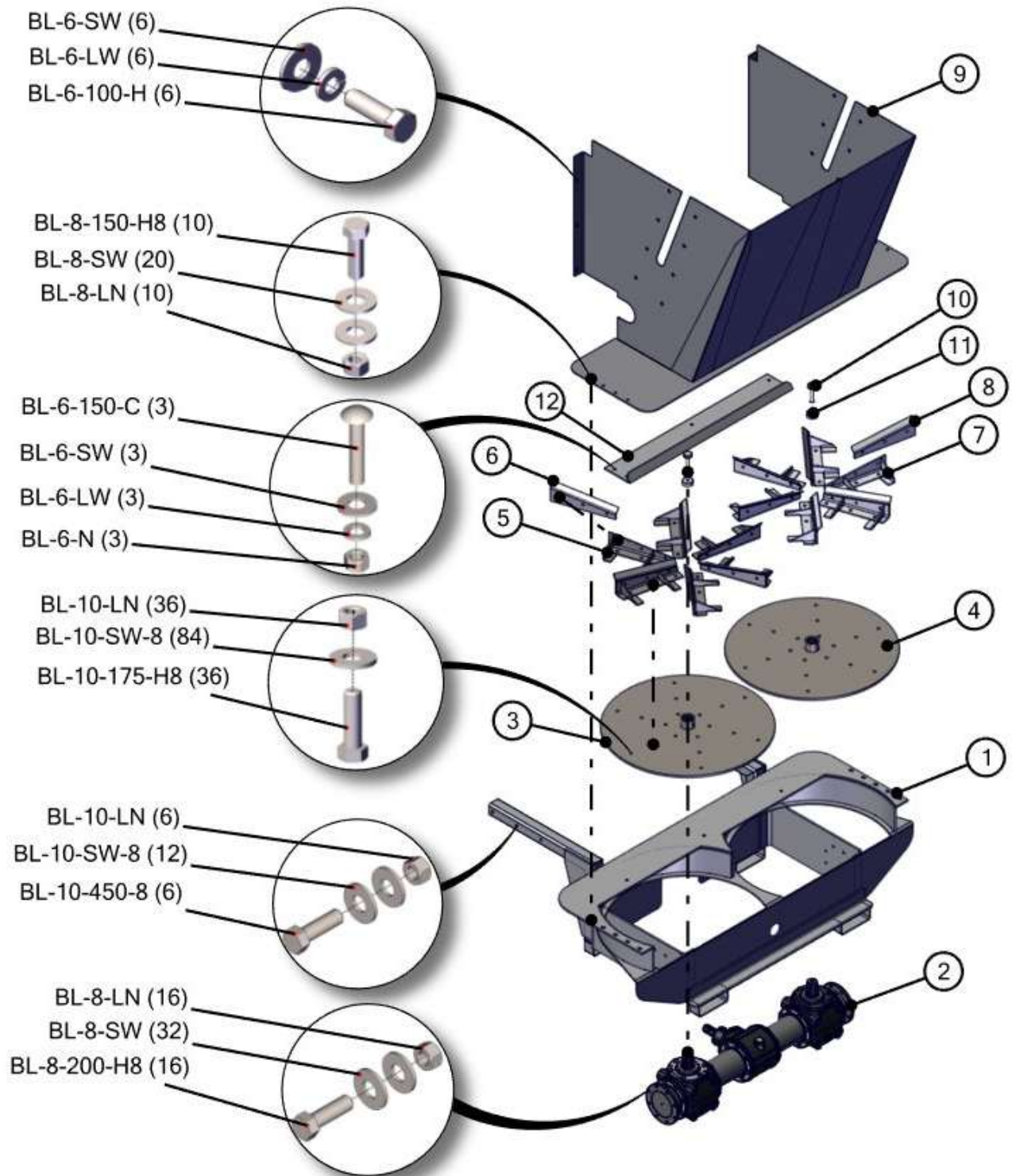
| REF | PART       | DESCRIPTION                                            | QTY | WILL FIT SN | REMARKS            |
|-----|------------|--------------------------------------------------------|-----|-------------|--------------------|
| 0   | PTS-1026   | Driveline, 1-3/4-20 x 1-3/4-6, 2500 Series, Rear Drive | 0   |             |                    |
| 0   | PTS-1026FH | Half Shaft, Front                                      | 0   |             |                    |
| 0   | PTS-1026RH | Half Shaft, Rear                                       | 0   |             |                    |
| 1   | PTS-1002A  | PTO Tractor Yoke (Walterscheid) 1-3/4 x 20 Spline      | 1   | 19101-      |                    |
| 2   | PTS-1026A  | Cross & Bearing Kit                                    | 2   |             |                    |
| 3   | PTS-4001IY | Inboard Yoke, Tractor Half                             | 1   |             | Special Order Only |
| 4   | PTS-3001D  | Spring Pin, 10 x 90                                    | 2   |             |                    |
| 5   | PTS-1026B  | Inner Profile S4                                       | 1   |             |                    |
| 6   | PTS-1026C  | Outer Profile S5                                       | 1   |             |                    |
| 7   | PTS-1022C  | Cross & Bearing Kit                                    | 1   |             |                    |
| 8   | PTS-1026D  | Yoke ASG                                               | 1   |             |                    |
| 9   | PTS-1026E  | Guard Cone 7 Rib                                       | 2   |             |                    |
| 10  | PTS-1002J  | PTO Shield Bearing Ring                                | 2   |             | Special Order Only |
| 11  | PTS-1026F  | Guard Tube Outer                                       | 1   |             |                    |
| 12  | PTS-1026G  | Guard Tube Inner                                       | 1   |             |                    |
| 13  | PTS-1010K  | Screw                                                  | 2   |             | Special Order Only |
| 14  | PTS-1010L  | Decal, Outer                                           | 1   |             | Special Order Only |
| 15  | PTS-1010M  | Decal, Inner                                           | 1   |             | Special Order Only |
| 16  | PTS-1002K  | PTO Shield Safety Chain                                | 1   |             | Special Order Only |
| 17  | PTS-8100D  | Reinforcing Collar                                     | 2   |             | Special Order Only |

## 77024-2-02A REAR DRIVE SHAFT, PARTS BREAKDOWN



## 77024-2-03 SPINNER ASSEMBLY

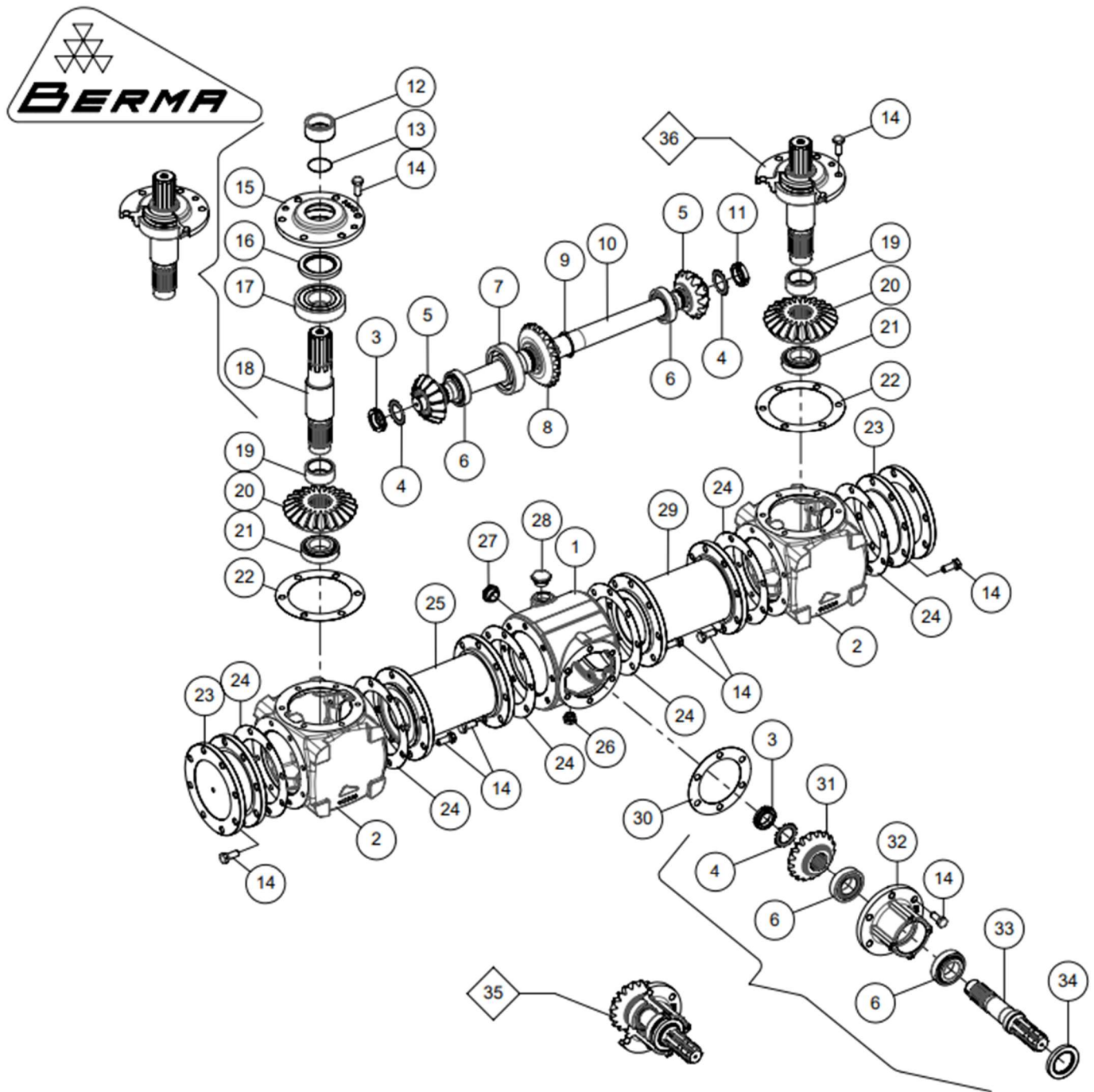
| REF | PART           | DESCRIPTION                                               | QTY | WILL FIT SN | REMARKS |
|-----|----------------|-----------------------------------------------------------|-----|-------------|---------|
| 1   | PR72702        | Spinner Pan, Rear Beater, Lime/Litter                     | 1   |             |         |
| 2   | VTB-1905       | Gearbox, Spinner Beater System, 1000rpm input, 520 Output | 1   |             |         |
| 3   | PR72001        | Spinner Disc, LH                                          | 1   |             |         |
| 4   | PR72003        | Spinner Disc, RH                                          | 1   |             |         |
| 5   | PR72018        | LH, Spinner Paddle, Low Base                              | 3   |             |         |
| 6   | PR72019        | LH, Low Spinner Blade, Hardox                             | 3   |             |         |
| 7   | PR72020        | RH, Low Spinner Blade, Hardox                             | 3   |             |         |
| 8   | PR72021        | RH, Spinner Paddle, Low Base                              | 3   |             |         |
| 9   | PR72703        | Spinner Shroud, Rear Beater                               | 1   |             |         |
| 10  | VTB-CMP-2200-L | M14 X 2.0 X 45 HH Bolt                                    | 2   |             |         |
| 11  | VTB-CMP-2200-M | Disc Washer, Metric                                       | 2   |             |         |
| 12  | PR72704        | Scraper, Bolt-On                                          | 1   |             |         |
| 100 | BL-10-450-8    | 5/8-11 X 4-1/2 HH CAP G8 ZC                               | 6   |             |         |
| 101 | BL-10-SW-8     | 5/8 SAE FW G8                                             | 84  |             |         |
| 102 | BL-10-LN       | 5/8-11 HEX LN NE ZC                                       | 42  |             |         |
| 103 | BL-6-100-H     | 3/8-16 X 1 HH C/S BOLT G5 ZC                              | 6   |             |         |
| 104 | BL-6-SW        | 3/8 SAE FW ZC                                             | 9   |             |         |
| 105 | BL-6-LW        | 3/8 SPLIT LW ZC                                           | 9   |             |         |
| 106 | BL-8-150-H8    | 1/2 X 1-1/2 HH G8                                         | 10  |             |         |
| 107 | BL-8-SW        | 1/2 SAE FW ZC                                             | 52  |             |         |
| 108 | BL-8-LN        | 1/2-13 LN NYLON INSERT ZC                                 | 32  |             |         |
| 109 | BL-10-175-H8   | 5/8-11 X 1-3/4 HH G8 ZC                                   | 36  |             |         |
| 110 | BL-8-200-H8    | 1/2-13 X 2 HH G8                                          | 16  |             |         |
| 111 | BL-6-150-C     | 3/8-16 X 1-1/2 CARRIAGE BOLT G5 ZC                        | 3   |             |         |
| 112 | BL-6-N         | 3/8-16 HEX NUT ZC                                         | 3   |             |         |



## 77023-2-03A GEARBOX ASSEMBLY, SPINNER

| REF | PART         | DESCRIPTION                 | QTY | WILL FIT SN | REMARKS                       |
|-----|--------------|-----------------------------|-----|-------------|-------------------------------|
| 1   | VTB-1887-A1  | Housing                     | 1   |             |                               |
| 2   | VTB-1899-B1  | Housing                     | 2   |             | Special Order Only            |
| 3   | VTB-1899-D1  | Threaded Ring, LH Thread    | 2   |             | Special Order Only            |
| 4   | VTB-1899-E1  | Washer                      | 3   |             | Special Order Only            |
| 5   | VTB-1905-A   | Bevel Pinion Z=14           | 2   |             |                               |
| 6   | VTB-1899-G1  | Bearing 32209               | 4   |             | Special Order Only            |
| 7   | VTB-1899-H1  | Bearing 6311                | 1   |             | Special Order Only            |
| 8   | VTB-1887-C1  | Gear Z=22                   | 1   |             |                               |
| 9   | VTB-1899-K1  | Circlip E 55                | 1   |             | Special Order Only            |
| 10  | VTB-1905-B   | Shaft L=830                 | 1   |             |                               |
| 11  | VTB-1899-L1  | Threaded Ring, RH Thread    | 1   |             | Special Order Only            |
| 12  | VTB-1899-M1  | Spacer                      | 2   |             | Special Order Only            |
| 13  | VTB-1899-N1  | O-ring 2212                 | 2   |             | Special Order Only            |
| 14  | VTB-1899-Z1  | Screw, hex-hd M14X35        | 66  |             | Reference Only, Special Order |
| 15  | VTB-1899-Q1  | Calotte                     | 2   |             | Special Order Only            |
| 16  | VTB-1899-S1  | Oil Seal                    | 2   |             | Special Order Only            |
| 17  | VTB-1905-C   | Bearing 6311-2RS            | 2   |             |                               |
| 18  | VTB-1899-U1  | Shaft                       | 2   |             | Special Order Only            |
| 19  | VTB-1899-V1  | Spacer                      | 2   |             | Special Order Only            |
| 20  | VTB-1905-G   | Gear Z=22                   | 2   |             |                               |
| 21  | VTB-1899-X1  | Bearing 32210               | 2   |             | Special Order Only            |
| 22  | VTB-1899-R1  | Gasket                      | 2   |             | Special Order Only            |
| 23  | VTB-1905-D   | Spacer L=76                 | 2   |             |                               |
| 24  | VTB-1899-A2  | Gasket                      | 6   |             | Special Order Only            |
| 25  | VTB-1905-E   | Right Spacer L=248          | 1   |             |                               |
| 26  | VTB-1899-D2  | Oil Plug, 1/2" Gas          | 1   |             | Special Order Only            |
| 27  | GBXA-5-ST10B | Oil Lev. Indicator 1/1" Gas | 1   |             |                               |
| 28  | VTB-1899-E2  | Oil Plug, 1" Gas.           | 1   |             | Special Order Only            |
| 29  | VTB-1905-F   | Left Spacer L=248           | 1   |             |                               |
| 30  | VTB-1899-H2  | Gasket                      | 1   |             | Special Order Only            |
| 31  | VTB-1887-B1  | Bevel Pinion Z=18           | 1   |             |                               |
| 32  | VTB-1899-J2  | Hub                         | 1   |             | Special Order Only            |
| 33  | VTB-1899-L2  | Shaft                       | 1   |             | Special Order Only            |
| 34  | VTB-1899-K2  | Oil Seal                    | 1   |             |                               |
| 35  | VTB-1887-D1  | Hub Complete                | 1   |             |                               |
| 36  | VTB-1899-N2  | Calotte Complete, Gearbox   | 2   |             | Special Order Only            |

## 77023-2-03A GEARBOX ASSEMBLY, SPINNER



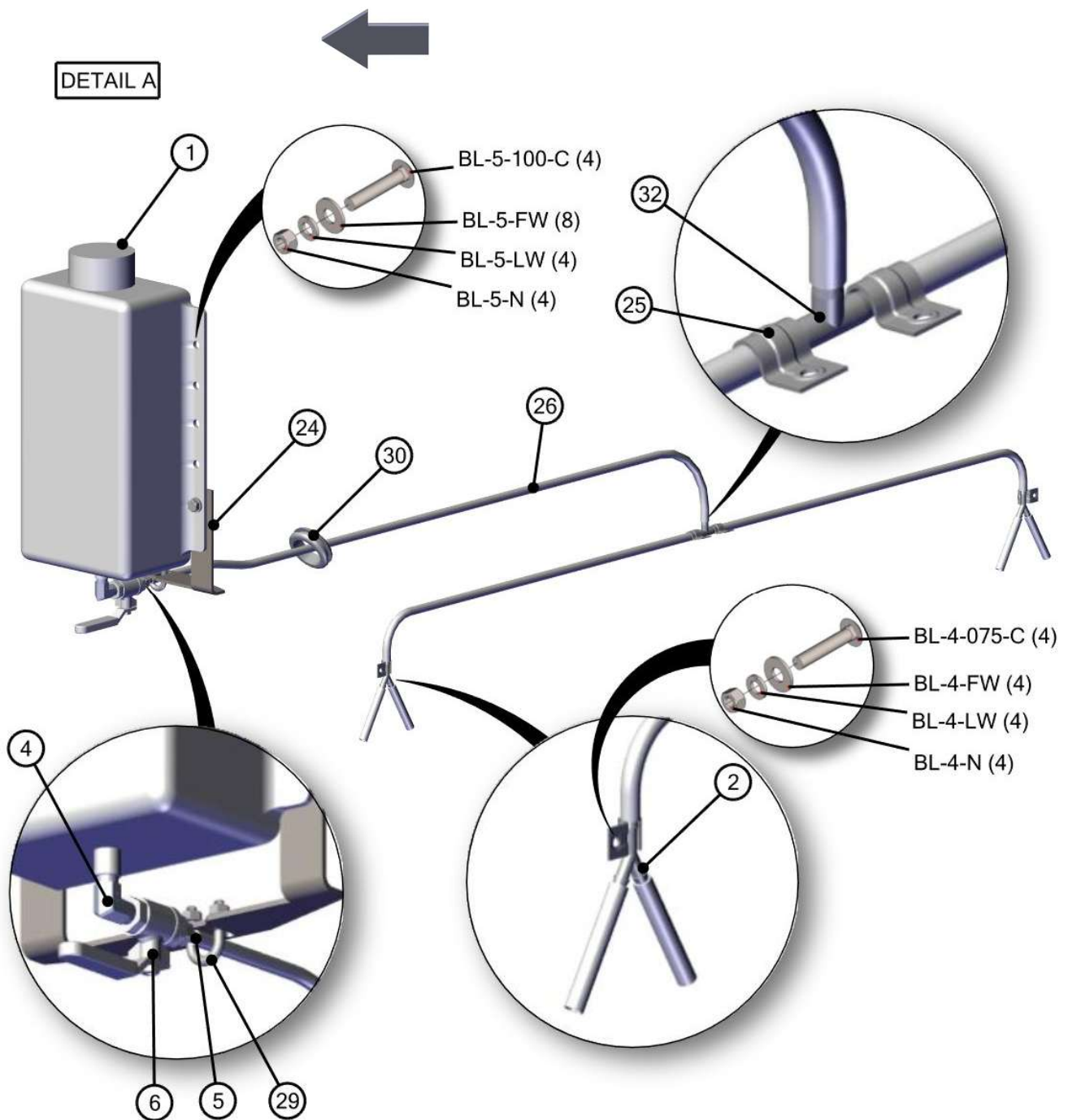
## 77023-2-04 WEB CHAIN & DRIVE

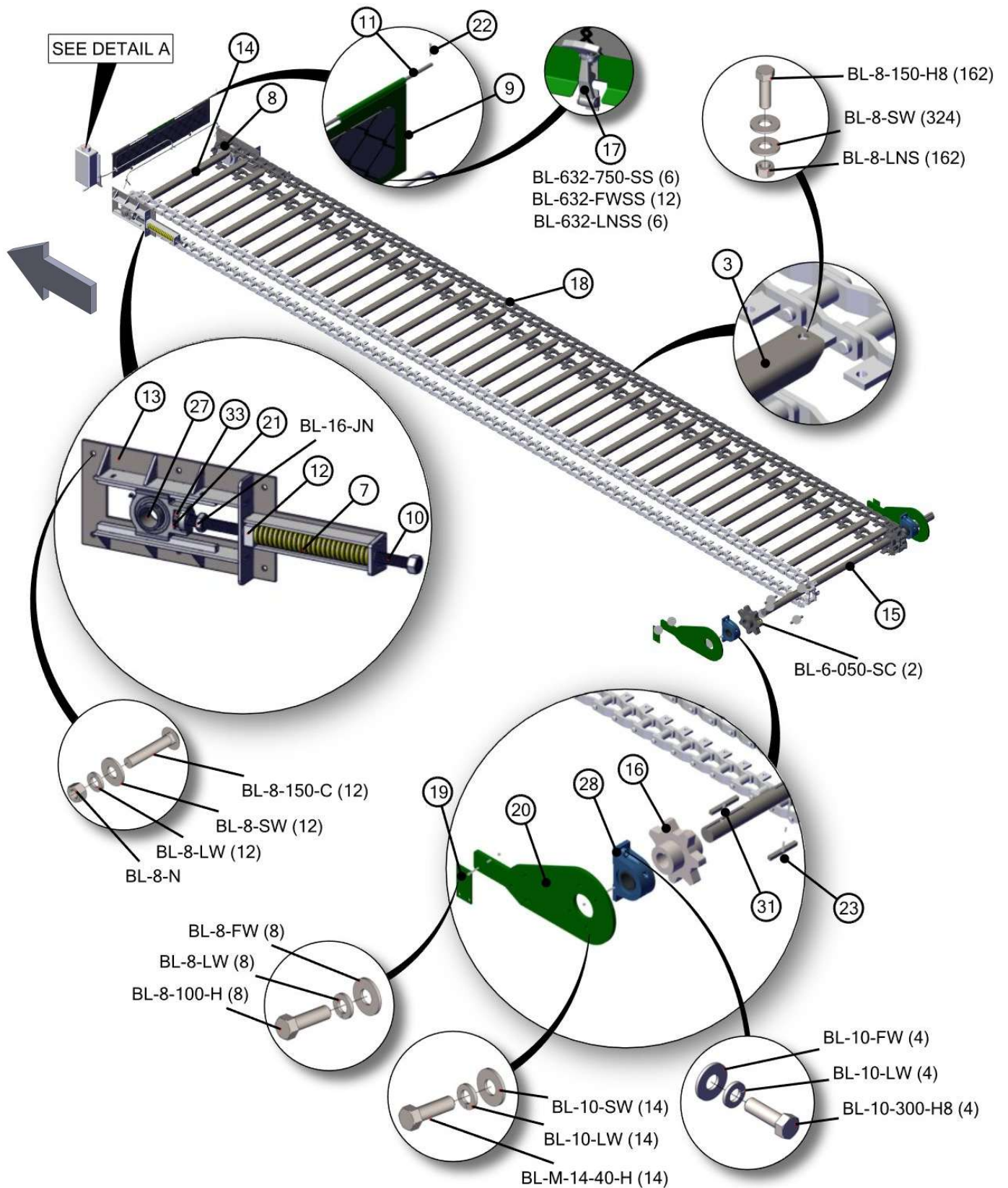
| REF | PART              | DESCRIPTION                                                               | QTY | WILL FIT SN | REMARKS                        |
|-----|-------------------|---------------------------------------------------------------------------|-----|-------------|--------------------------------|
| 1   | VPA-MAS-36001     | 4 Quart Reservoir with Black Cap, Barb Conn.                              | 1   |             | Replaced VPA-NVE-36001 in 2026 |
| 2   | AYN-4-4-4         | 1/4' x1/4' x 1/4' White Nylon Hose Barb Wye, Push Loc                     | 2   |             |                                |
| 3   | PR72404           | Tube, Chain Flight, Center Tab, HP25LL                                    | 41  |             |                                |
| 4   | A-5500-4          | 1/4' 90- Male Pipe Elbow                                                  | 1   |             |                                |
| 5   | A-4124-4-4        | 1/4 Male Pipe x 1/4 Push Loc                                              | 1   |             |                                |
| 6   | VLV-025-B         | Valve, Threaded, Full Port, Ball, 1/4'                                    | 1   |             |                                |
| 7   | SPRG-1200-EH      | Spring, Extra Heavy 2' Hole Dia., 1' Rod x 12' Long                       | 2   |             |                                |
| 8   | RLR-0030          | Spreader Chain Roller                                                     | 2   |             |                                |
| 9   | PR72033           | Door, Front                                                               | 1   |             |                                |
| 10  | PR70319           | Tension Bolt, Chain Spreader                                              | 2   |             |                                |
| 11  | PR72044           | Hinge Rod                                                                 | 1   |             |                                |
| 12  | PR70313           | Machined Nut                                                              | 2   |             |                                |
| 13  | PR70309A          | Takeup Bearing Mount, Short                                               | 2   |             |                                |
| 14  | SFT-1896          | Chain Shaft, Front Shaft, Hubs In, Lime/Litter                            | 1   |             |                                |
| 15  | SFT-1894          | Drive Shaft, Rear, Lime/Litter                                            | 1   |             |                                |
| 16  | PR60424           | Drive Spocket, WH124 Pintle Chain, 2 Pc Sprocket, 2 1/2' Bore, 5/8 Keyway | 2   |             |                                |
| 17  | LA-1535           | Medium Rubber T Latch Assembly                                            | 2   |             | 193-1535b                      |
| 18  | PR72403           | Pull Chain, 161, Std Duty Pintle Style, SS Pins, Tab Every Link, Univ.    | 2   |             |                                |
| 19  | PR60068           | Mount, Torque Plate, Gearbox                                              | 2   |             |                                |
| 20  | PR72701           | Torque Plate, RT800 Gearbox, Lime/Litter                                  | 2   |             |                                |
| 21  | PIN-4-28          | Roll Pin 1/4' x 1.75'                                                     | 2   |             |                                |
| 22  | PIN-C2-16         | Cotter Pin, 1/8' x 1'                                                     | 2   |             |                                |
| 23  | KEY-10-10-550-HCS | Shaft Key, 5/8 in x 5/8in x 5.50in Long                                   | 2   |             | Rear sprockets                 |
| 23  | KEY-10-10-300-HCS | Shaft Key, 5/8 in x 5/8in x 3.0in Long                                    | 2   |             | Front sprockets                |
| 24  | PR72046           | Valve Mount, Oiler                                                        | 1   |             |                                |
| 25  | HA-1031           | Hydraulic Hose Holder 3/8                                                 | 6   |             |                                |
| 26  | H4-PL             | Push Loc Hose 1/4' @ ft                                                   | 7   |             |                                |
| 27  | BRG-32-TU         | Bearing, Takeup, 5/8' Keyway, 2.00' Shaft                                 | 2   |             |                                |
| 28  | BR-250-HD         | Heavy Duty 2-1/2' Brg Assy, W/Pillow Block                                | 2   |             |                                |
| 29  | BL-4-009-U        | 1/4-20 x 9/16' ID, U-Bolt, Zinc Plated, Round Bend                        | 1   |             |                                |
| 30  | EL-1398           | Rubber Grommet, for 1-3/4' Hole, 1/4' Material Thickness                  | 1   |             |                                |
| 31  | KEY-10-08-550-HCS | Shaft Key, 5/8 in x 1/2in x 6.0in. Long, Plain 1095 High Carbon Steel     | 2   |             | Rear gearbox                   |
| 32  | ATN-4-4-4         | 1/4' x1/4' x 1/4' White Nylon Hose Barb Tee, Push Loc                     | 1   |             |                                |
| 33  | PR70318           | Jam Nut, Roll Pin Hole                                                    | 2   |             |                                |
| 100 | BL-4-075-C        | 1/4 UNC X 1/2 CARRIAGE BOLT G5 ZC                                         | 4   |             |                                |
| 101 | BL-4-FW           | 1/4 USS FW ZC                                                             | 4   |             |                                |
| 102 | BL-4-LW           | 1/4 SPLIT LW ZC                                                           | 4   |             |                                |

## 77023-2-04 WEB CHAIN & DRIVE

| REF | PART          | DESCRIPTION                           | QTY | WILL FIT SN | REMARKS |
|-----|---------------|---------------------------------------|-----|-------------|---------|
| 103 | BL-4-N        | 1/4-20 HEX FIN NUT ZC                 | 4   |             |         |
| 104 | BL-5-100-C    | 5/16-18 x 1, Z5                       | 4   |             |         |
| 105 | BL-5-FW       | 5/16 USS FW ZC                        | 4   |             |         |
| 106 | BL-5-LW       | 5/16 SPLIT LW ZC                      | 4   |             |         |
| 107 | BL-5-N        | 5/16-18 UNC HEX NUT A563 GrA ZINC     | 4   |             |         |
| 108 | BL-8-100-H    | 1/2-13 X 1 HEX CAP G5 ZC              | 8   |             |         |
| 109 | BL-8-150-H8   | 1/2 X 1-1/2 HH G8                     | 162 |             |         |
| 110 | BL-8-LNS      | 1/2-13 STOVER LN                      | 162 |             |         |
| 111 | BL-8-SW       | 1/2 SAE FW ZC                         | 336 |             |         |
| 112 | BL-8-LW       | 1/2 SPLIT LW ZC                       | 20  |             |         |
| 113 | BL-10-300-H8  | 5/8-11 X 3 HEX CAP G8                 | 4   |             |         |
| 114 | BL-10-FW      | 5/8 USS FW ZC                         | 4   |             |         |
| 115 | BL-10-LW      | 5/8 SPLIT LW ZC                       | 4   |             |         |
| 116 | BL-M-14-40-H  | Hex Head Bolt, 14mm x 40mm            | 14  |             |         |
| 117 | BL-10-SW      | 5/8 SAE FW ZC                         | 14  |             |         |
| 118 | BL-6-050-SC   | 3/8-16 x 1/2' Knurled Point Set Screw | 2   |             |         |
| 119 | BL-8-150-C    | 1/2-13 X 1-1/2 CARRIAGE BOLT G5 ZC    | 12  |             |         |
| 120 | BL-8-N        | 1/2-13 HEX FIN NUTS ZC                | 12  |             |         |
| 121 | BL-8-FW       | 1/2 USS FW ZC                         | 8   |             |         |
| 122 | BL-632-750-SS | 6-32 x 1/2 SS Machine Screw (Slotted) | 6   |             |         |
| 123 | BL-632-FWSS   | 6-32 SS Flat Washer                   | 12  |             |         |
| 124 | BL-632-LNSS   | 6-32 SS Lock Nuts                     | 6   |             |         |
| 125 | BL-16-JN      | 1-8 JAM NUT HEX Gr 5 YZ               | 2   |             |         |

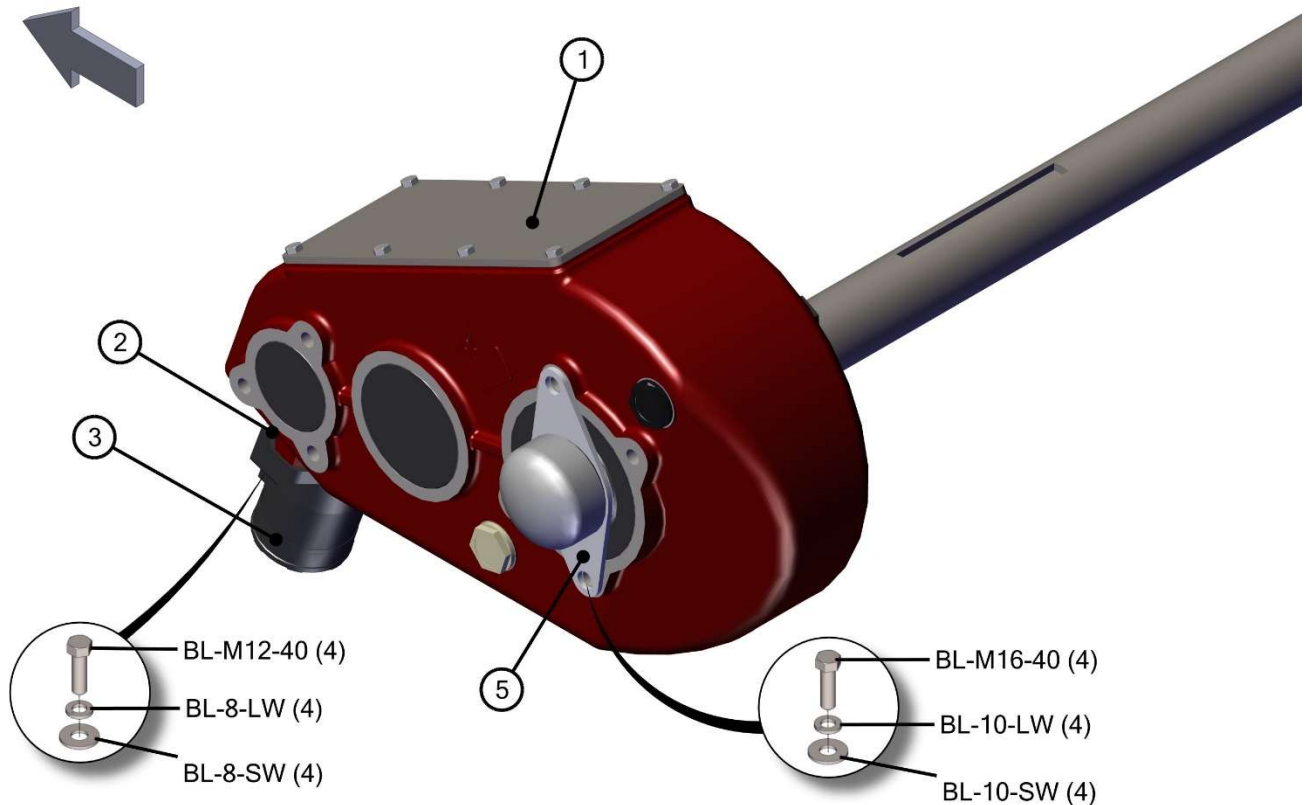
## 77023-2-04 WEB CHAIN & DRIVE





## 77024-2-05 WEB CHAIN GEARBOX AND MOTOR

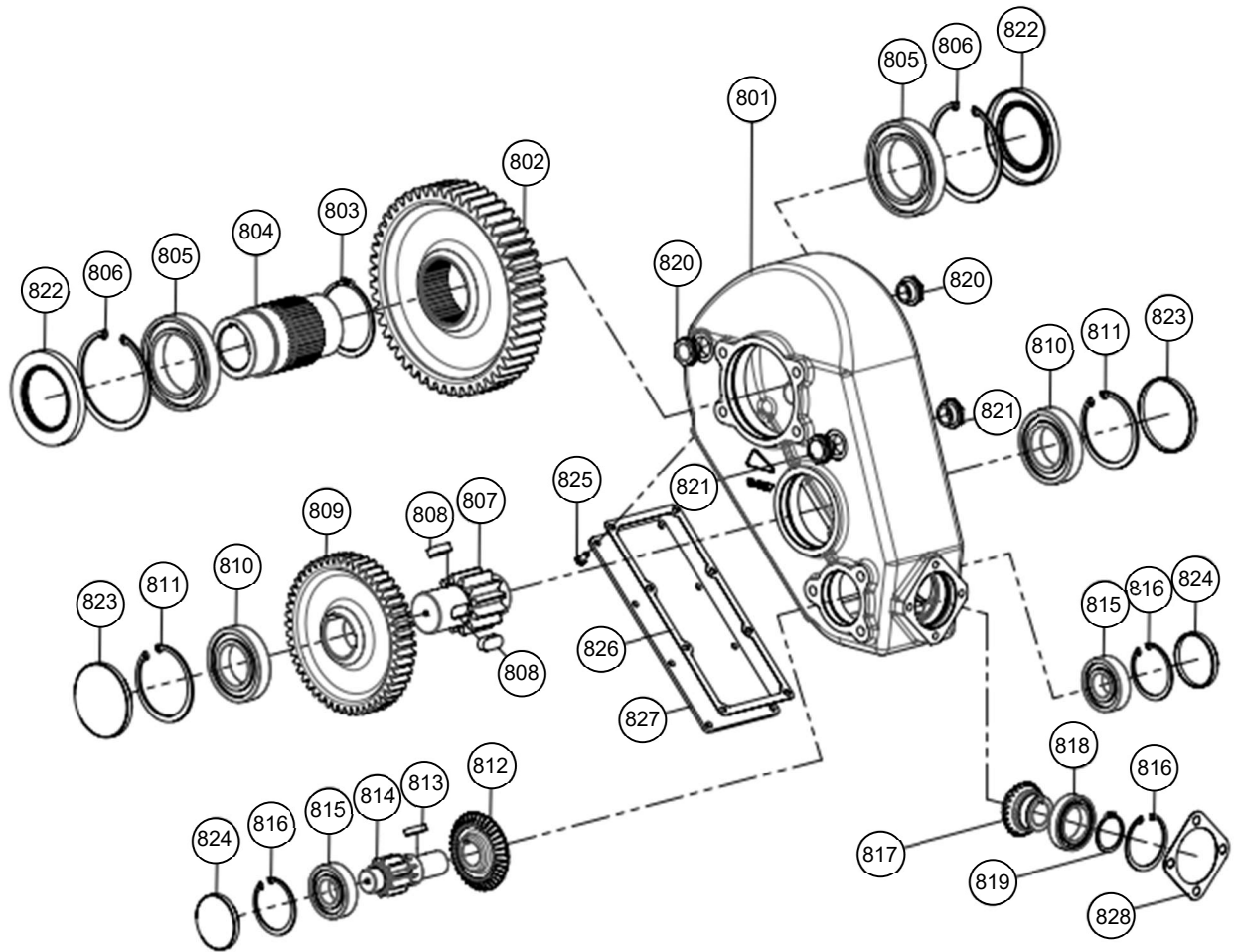
| REF | PART      | DESCRIPTION                                      | QTY | WILL FIT SN        | REMARKS |
|-----|-----------|--------------------------------------------------|-----|--------------------|---------|
| 1   | GBX-1898  | Gearbox, RT800 Custom 2.5" Straight Bore, 25mm   | 2   |                    |         |
| 2   | PR60026   | Flange Gasket, Apron Drive Gear Box              | 2   |                    |         |
| 3   | HM-1903   | Orbital Motor, Apron Drive, 200cc, 11.84cu, 25mm | 2   | 77024001-          |         |
| 3   | HM-1900   | Orbital Motor, Apron Drive, 160cc, 14.83cu, 25mm | 2   |                    |         |
| 4   | HP-1038   | Gear Lube, 80W90 @ Quart                         | 5   | Hydra Ram Spreader |         |
| 5   | PR70558   | Cap, RT800 Gearbox                               | 2   |                    |         |
| 100 | BL-10-LW  | 5/8 SPLIT LW ZC                                  | 4   |                    |         |
| 101 | BL-10-SW  | 5/8 SAE FW ZC                                    | 8   |                    |         |
| 102 | BL-8-LW   | 1/2 SPLIT LW ZC                                  | 4   |                    |         |
| 103 | BL-8-SW   | 1/2 SAE FW ZC                                    | 4   |                    |         |
| 104 | BL-M12-40 | 12MM Bolt,Coarse Thread,40mm Length              | 4   |                    |         |
| 105 | BL-M16-40 | Hex Bolt, 16mm x 40mm                            | 4   |                    |         |



PAGE LEFT BLANK  
INTENTIONALLY

## 77024-2-05A GEARBOX PART BREAKDOWN

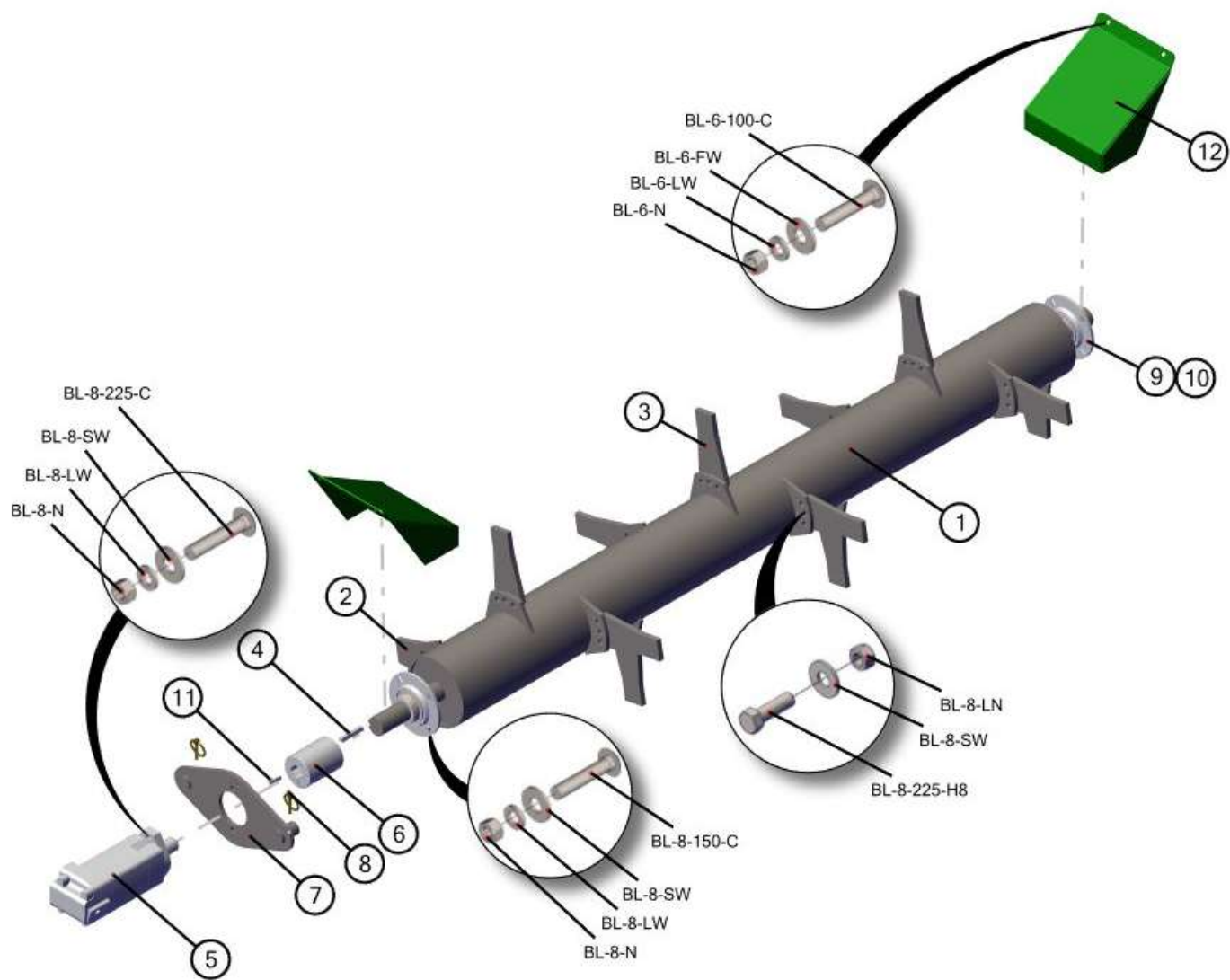
| REF | PART          | DESCRIPTION             | QTY | WILL FIT SN | REMARKS                       |
|-----|---------------|-------------------------|-----|-------------|-------------------------------|
| 801 | GBX-1896-A    | Housing                 | 1   |             |                               |
| 802 | GBX-1896-B    | Gear Z=50               | 1   |             |                               |
| 803 | GBX-1896-C    | Snap Ring               | 1   |             |                               |
| 804 | GBX-1896-D    | Hub 2-1/2               | 1   |             |                               |
| 805 | GBX-1896-E    | Bearing 6018            | 2   |             |                               |
| 806 | GBX-1896-F    | Snap Ring               | 2   |             |                               |
| 807 | GBX-1896-G    | Pinion Z=12             | 1   |             |                               |
| 808 | GBX-1896-H    | Key                     | 2   |             |                               |
| 809 | GBX-1896-J    | Gear Z=50               | 1   |             |                               |
| 810 | GBX-5-ST10-D  | Line Shaft Bearing      | 2   |             | Reference Only, Special Order |
| 811 | GBX-1896-K    | Snap Ring               | 2   |             |                               |
| 812 | GBX-1896-L    | Gear Z=38               | 1   |             |                               |
| 813 | GBX-1896-M    | Key 10x8x40             | 1   |             |                               |
| 814 | GBX-1896-N    | Pinion Z=10             | 1   |             |                               |
| 815 | GBX-5-ST10-B1 | Bearing                 | 2   |             | Reference Only, Special Order |
| 816 | GBX-1893-K    | Circlip I 80            | 3   |             |                               |
| 817 | GBX-1898-P    | Pinion Z=25             | 1   |             |                               |
| 818 | GBX-1893-S    | Bearing                 | 1   |             |                               |
| 819 | GBX-1893-T    | Circlip E 50            | 1   |             |                               |
| 820 | GBX-1893-U    | Oil Plug Ø1" Gas        | 2   |             |                               |
| 821 | GBX-1893-V    | Oil Level Indic Ø1" Gas | 2   |             |                               |
| 822 | GBX-1896-Q    | Oil Seal                | 2   |             |                               |
| 823 | GBX-1896-R    | Plug                    | 2   |             |                               |
| 824 | GBX-1893-X    | Plug                    | 2   |             |                               |
| 825 | GBX-1893-B1   | Screw, hex-hd M8x16     | 8   |             |                               |
| 826 | GBX-1896-S    | Gasket                  | 1   |             |                               |
| 827 | GBX-1896-T    | Cover                   | 1   |             |                               |
| 828 | GBX-1896-U    | Gasket                  | 1   |             |                               |



## 77025-2-06 OPTIONAL INNER BEATER ASSEMBLY

| REF | PART         | DESCRIPTION                                                    | QTY | WILL FIT SN | REMARKS                   |
|-----|--------------|----------------------------------------------------------------|-----|-------------|---------------------------|
| 1   | PR72040      | Beater, Inner                                                  | 1   |             |                           |
| 2   | PR72708-1    | Beater Knife, Short, LL                                        | 2   |             |                           |
| 3   | PR72708-2    | Beater Knife, Med. Length, Beater, LL                          | 10  |             |                           |
| 4   | KEY-6-6-40   | Keystock 3/8' x 3/8' x 2 1/2' Square Cut (1018)                | 1   |             |                           |
| 5   | HM-1420-HE   | Hydraulic Motor                                                | 1   |             | Can substitute HM-1420-CH |
| 6   | CPS-2820     | Steel Coupler 1 1/2' x 1 1/4' ID with 3/8' Keyway on 1 1/2' ID | 1   |             |                           |
| 7   | PR72047      | Motor Mount, Inner Beater                                      | 1   |             |                           |
| 8   | PIN-250L     | 1/4' Lynch Pin                                                 | 2   |             |                           |
| 9   | BR-085-MS    | Stamped Bearing Housing for 1 1/2' Bearing                     | 4   |             |                           |
| 10  | BR-175-085-I | Bearing, 1 1/2' ID, TS                                         | 2   |             |                           |
| 11  | KEY-4-5-20   | Keystock, Stepped, 1/4' x 5/16' x 1-1/2' Long                  | 1   |             |                           |
| 12  | PR72045      | Bearing Cover, Inner Beater                                    | 2   |             |                           |
| 13  | PR72048      | Shield, Inner Beater, No Bearing                               | -2  |             |                           |
| 100 | BL-8-225-H8  | 1/2 X 2-1/4 HH G8                                              | 36  |             |                           |
| 101 | BL-8-SW      | 1/2 SAE FW ZC                                                  | 46  |             |                           |
| 102 | BL-8-LN      | 1/2-13 LN NYLON INSERT ZC                                      | 36  |             |                           |
| 103 | BL-6-100-C   | 3/8-16 X 1 CARRIAGE BOLT G5 ZC                                 | 8   |             |                           |
| 104 | BL-6-FW      | 3/8 USS FW ZC                                                  | 8   |             |                           |
| 105 | BL-6-LW      | 3/8 SPLIT LW ZC                                                | 8   |             |                           |
| 106 | BL-6-N       | 3/8-16 HEX NUT ZC                                              | 8   |             |                           |
| 107 | BL-8-150-C   | 1/2-13 X 1-1/2 CARRIAGE BOLT G5 ZC                             | 8   |             |                           |
| 108 | BL-8-225-C   | 1/2-13 X 2-1/4 CARRIAGE BOLT G5 ZC                             | 2   |             |                           |
| 109 | BL-8-FW      | 1/2 USS FW ZC                                                  | 10  |             |                           |
| 110 | BL-8-LW      | 1/2 SPLIT LW ZC                                                | 10  |             |                           |
| 111 | BL-8-N       | 1/2-13 HEX FIN NUTS ZC                                         | 10  |             |                           |

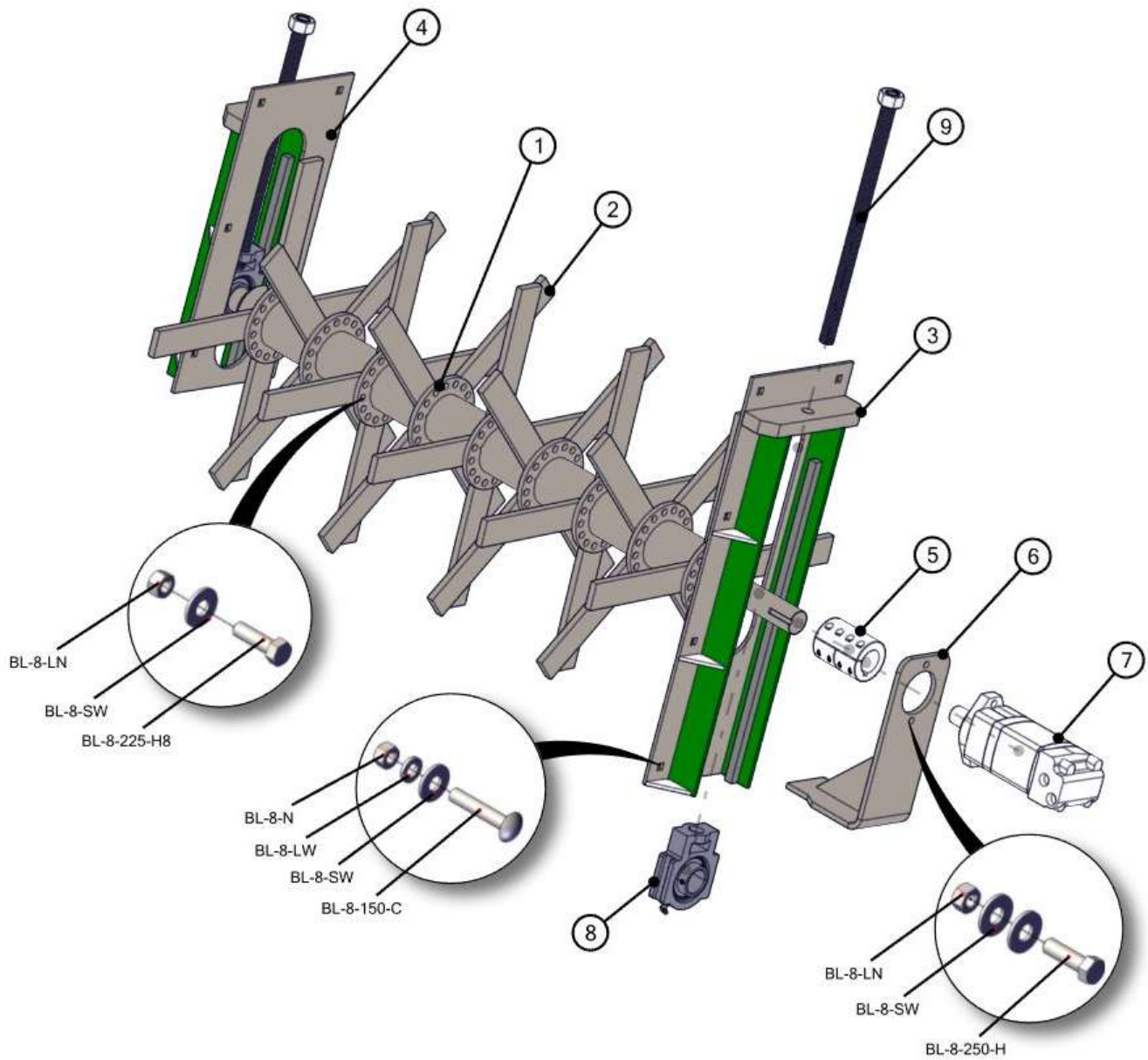
77025-2-06 INNER BEATER ASSEMBLY



## 77024-2-07 REAR BEATER ASSEMBLY

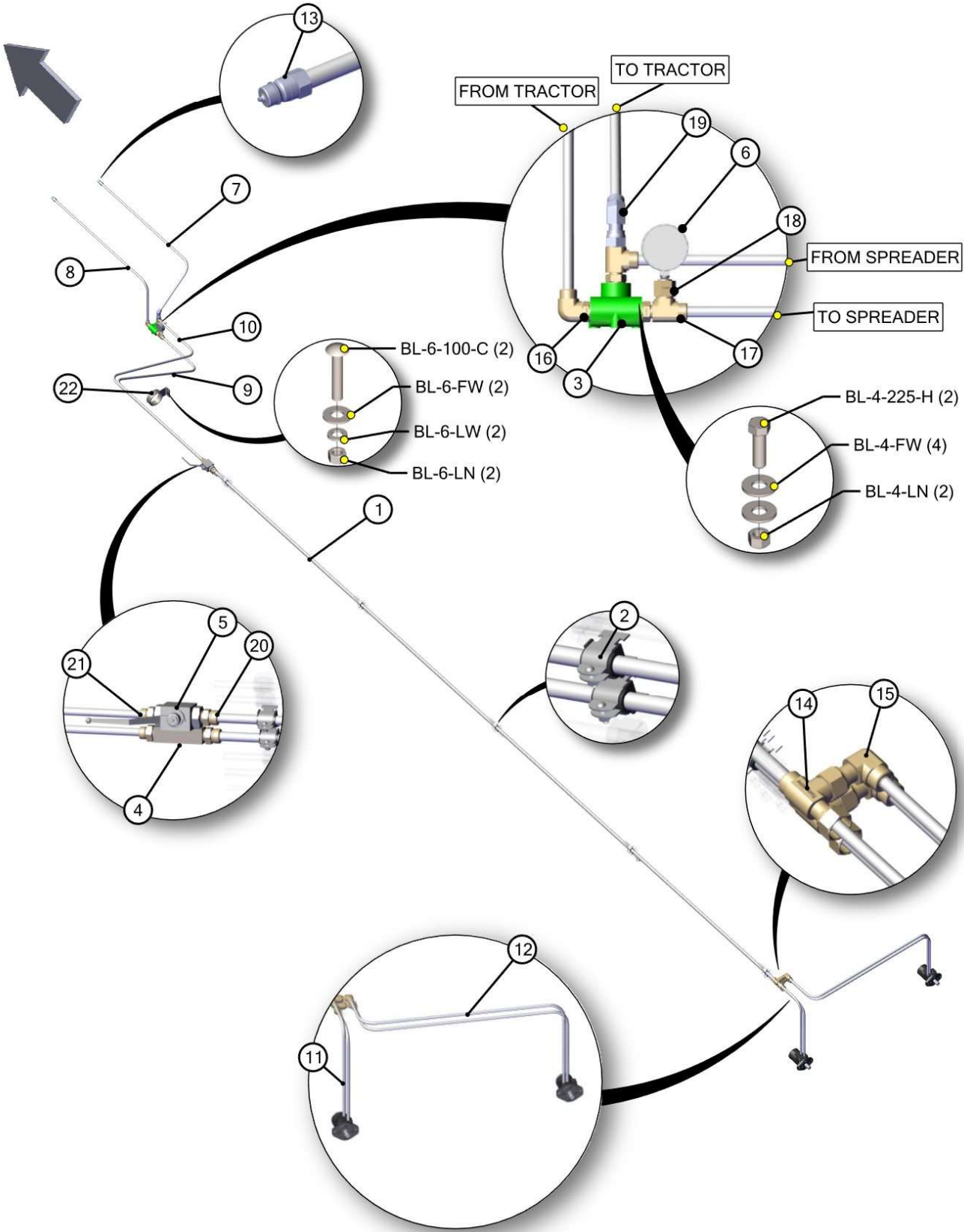
| REF | PART        | DESCRIPTION                                              | QTY | WILL FIT SN | REMARKS                   |
|-----|-------------|----------------------------------------------------------|-----|-------------|---------------------------|
| 1   | PR72707     | Beater Hub, Rear                                         | 1   |             |                           |
| 2   | PR72708     | Beater Knife, Rear Beater                                | 36  |             |                           |
| 3   | PR70309B    | Takeup Bearing Mount, Long, 25LL                         | 1   |             |                           |
| 4   | PR70309C    | Takeup Bearing Mount, Short, 25LL                        | 1   |             |                           |
| 5   | CPS-2820    | Steel Coupler 1 ½' x 1 ¼' ID with 3/8' Keyway on 1 ½' ID | 1   |             |                           |
| 6   | PR72711     | Motor Stop, Rear Beater                                  | 1   |             |                           |
| 7   | HM-1420-HE  | Hydraulic Motor                                          | 1   |             | Can substitute HM-1420-CH |
| 8   | BRG-28-TU   | Bearing, Takeup, 5/8' Keyway, 1.75' Shaft                | 2   |             |                           |
| 9   | PR72716     | Adjuster Bolt Weldment                                   | 2   |             |                           |
| 10  | KEY-6-6-32  | Shaft Key, 3/8' x 3/8' x 2' Square Cut (1018)            | 1   |             |                           |
| 101 | BL-8-SW     | 1/2 SAE FW ZC                                            | 126 |             |                           |
| 102 | BL-8-LN     | 1/2-13 LN NYLON INSERT ZC                                | 110 |             |                           |
| 103 | BL-8-150-C  | 1/2-13 X 1-1/2 CARRIAGE BOLT G5 ZC                       | 14  |             |                           |
| 104 | BL-8-LW     | 1/2 SPLIT LW ZC                                          | 14  |             |                           |
| 105 | BL-8-N      | 1/2-13 HEX FIN NUTS ZC                                   | 14  |             |                           |
| 106 | BL-8-250-H  | 1/2-13 X 2-1/2 HH C/S G5 ZC                              | 2   |             |                           |
| 110 | BL-8-225-H8 | 1/2 X 2-1/4 HH G8                                        | 108 |             |                           |

## 77024-2-07 REAR BEATER ASSEMBLY



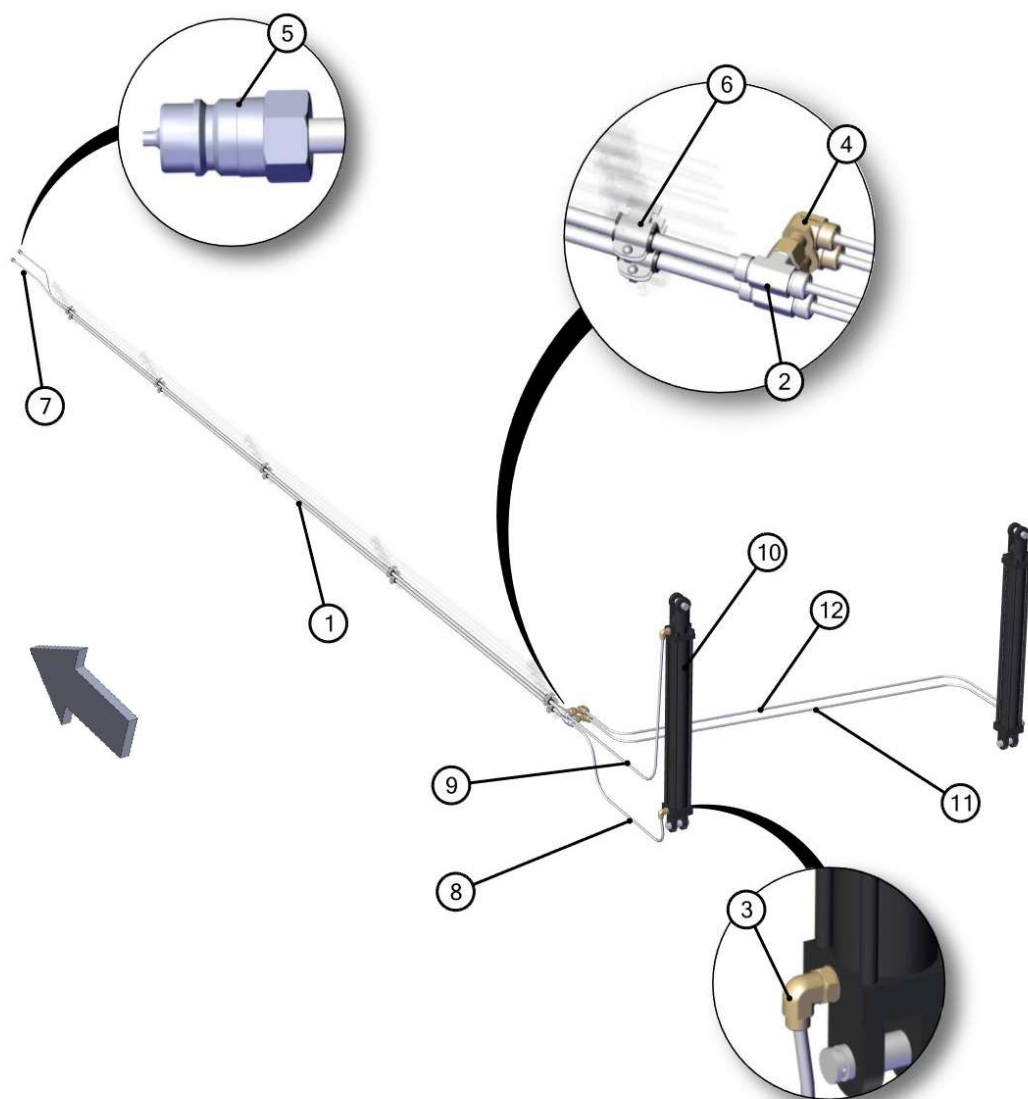
## 77023-3-01 HYDRAULICS, WEB DRIVE

| REF | PART                 | DESCRIPTION                                         | QTY | WILL FIT SN | REMARKS |
|-----|----------------------|-----------------------------------------------------|-----|-------------|---------|
| 1   | H-T5009F             | 3/4' SS Hydraulic Tube, 240', ORFS                  | 2   |             |         |
| 2   | HA-1072-H            | Hydra-zorb Tube Clamp 1/2" (3 pc.)                  | 10  | 19401-      |         |
| 3   | HV-RV-3H             | Relief Valve w/ SAE #10 Ports, Preset @ 2500psi     | 1   |             |         |
| 4   | HV-CKV-C1220S        | #12 Check Valve, 5 psi Crack, 25 gpm                | 1   |             |         |
| 5   | VLV-075-BHP          | Ball Valve, #12 SAE, High Pressure (58000psi)       | 1   |             |         |
| 6   | HA-1004-G            | Hydraulic, Pressure Gauge w/1/4 NPT Stem, 3000 PSI  | 1   |             |         |
| 7   | H10-96-10FFFX-8MOR   | 5/8' Hose, 5/8' Female ORFS x 1/2' Male SAE, 96'    | 1   |             |         |
| 8   | H10-100-10FFFX-8MOR  | 5/8' Hose, 5/8' Female ORFS x 1/2' Male SAE, 100'   | 1   |             |         |
| 9   | H10-72-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS, 72' | 1   |             |         |
| 10  | H10-78-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS, 78' | 1   |             |         |
| 11  | H10-32-10FFFX-12MFF  | 5/8' Hose, 5/8' Female ORFS x 3/4' Male ORFS, 32'   | 2   |             |         |
| 12  | H10-86-10FFFX-12FFFX | 5/8' Hose, 5/8' Female ORFS x 3/4' Female ORFS, 86' | 2   |             |         |
| 13  | A-QDS71X15           | Ag Quick Coupler, 1/2' ISO5675 x 8SAE               | 2   |             |         |
| 14  | A-FF6602-12-12-12    | Run Tee, 12MFF X 12MFF X 12FFFX                     | 2   |             |         |
| 15  | A-FF6500-12-12       | Elbow, 90, 3/4' MFF x 3/4' FFFX                     | 2   |             |         |
| 16  | A-FF6801-10-10       | Elbow, 5/8' MFF x 5/8' SAE                          | 1   |             |         |
| 17  | A-FF6804-10-10-10    | Run Tee, 10SAE x 10MFF x 10MFF                      | 2   |             |         |
| 18  | A-FF304-C-10-4N      | Adapter, #10 Female ORFS, 1/4' NPT Port             | 1   |             |         |
| 19  | A-FF6502-10-10       | Elbow, 45, 10MFF x 10FFFX                           | 1   |             |         |
| 20  | A-FF6400-12-12       | Union, 12MFF x 12SAE                                | 2   |             |         |
| 21  | A-FF6400-10-12       | Union, 10MFF x 12SAE                                | 2   |             |         |
| 22  | PR72043              | Hose Holder, Bolt-On                                | 1   |             |         |
| 100 | BL-4-225-H           | 1/4 UNC X 2-1/4 HH C/S BOLT G5 ZC                   | 2   |             |         |
| 101 | BL-4-FW              | 1/4 USS FW ZC                                       | 4   |             |         |
| 102 | BL-4-LN              | 1/4-20 HEX LN NE ZC                                 | 2   |             |         |
| 103 | BL-6-100-C           | 3/8-16 X 1 CARRIAGE BOLT G5 ZC                      | 2   |             |         |
| 104 | BL-6-FW              | 3/8 USS FW ZC                                       | 2   |             |         |
| 105 | BL-6-LW              | 3/8 SPLIT LW ZC                                     | 2   |             |         |
| 106 | BL-6-N               | 3/8-16 HEX NUT ZC                                   | 2   |             |         |



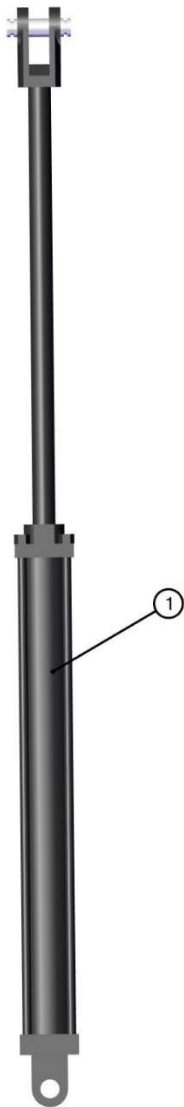
## 77023-3-02 HYDRAULICS, ENDGATE

| REF | PART                | DESCRIPTION                                                | QTY | WILL FIT SN | REMARKS                       |
|-----|---------------------|------------------------------------------------------------|-----|-------------|-------------------------------|
| 1   | H-T7081F            | 5/8" SS Hydraulic Tube, 240', ORFS                         | 2   |             |                               |
| 2   | A-FF2603-10-10-10   | TEE, 10MFF X 10MFF X 10MFF                                 | 2   |             |                               |
| 3   | A-FF6801-06-08      | ELBOW, 90, 6MFF X 8SAE                                     | 4   |             |                               |
| 4   | A-FF6500-10-10      | Elbow, 90, 10MFF x 10FFFX                                  | 2   |             |                               |
| 5   | A-QDS71X15          | Ag Quick Coupler, 1/2" ISO5675 x 8SAE                      | 2   |             |                               |
| 6   | HA-1062-H           | Hydra-zorb Tube Clamp 5/8" (3 pc.)                         | 10  |             |                               |
| 7   | H6-180-10MFF-8MOR   | 3/8" Hose, 5/8" Male ORFS x 1/2" Male SAE, 180'            | 2   |             |                               |
| 8   | H6-33-6FFFX-10FFFX  | 3/8" Hose, 3/8" Female ORFS x 5/8" Female ORFS, 33'        | 1   |             |                               |
| 9   | H6-56-6FFFX-10FFFX  | 3/8" Hose, 3/8" Female ORFS x 5/8" Female ORFS, 56'        | 1   |             |                               |
| 10  | HC-250-2408-ORP     | Hydraulic Cylinder 2 1/2 x 24 #8 SAE w/ O-Piston Ring Seal | 2   |             | 34.25' pin-to-pin, 24' Stroke |
| 11  | H6-88-10FFFX-6FFFX  | 3/8" Hose, 5/8" Female ORFS x 3/8" Female ORFS             | 1   |             |                               |
| 12  | H6-110-6FFFX-10FFFX | 3/8" Hose, 3/8" Female ORFS x 5/8" Female ORFS, 110'       | 1   |             |                               |



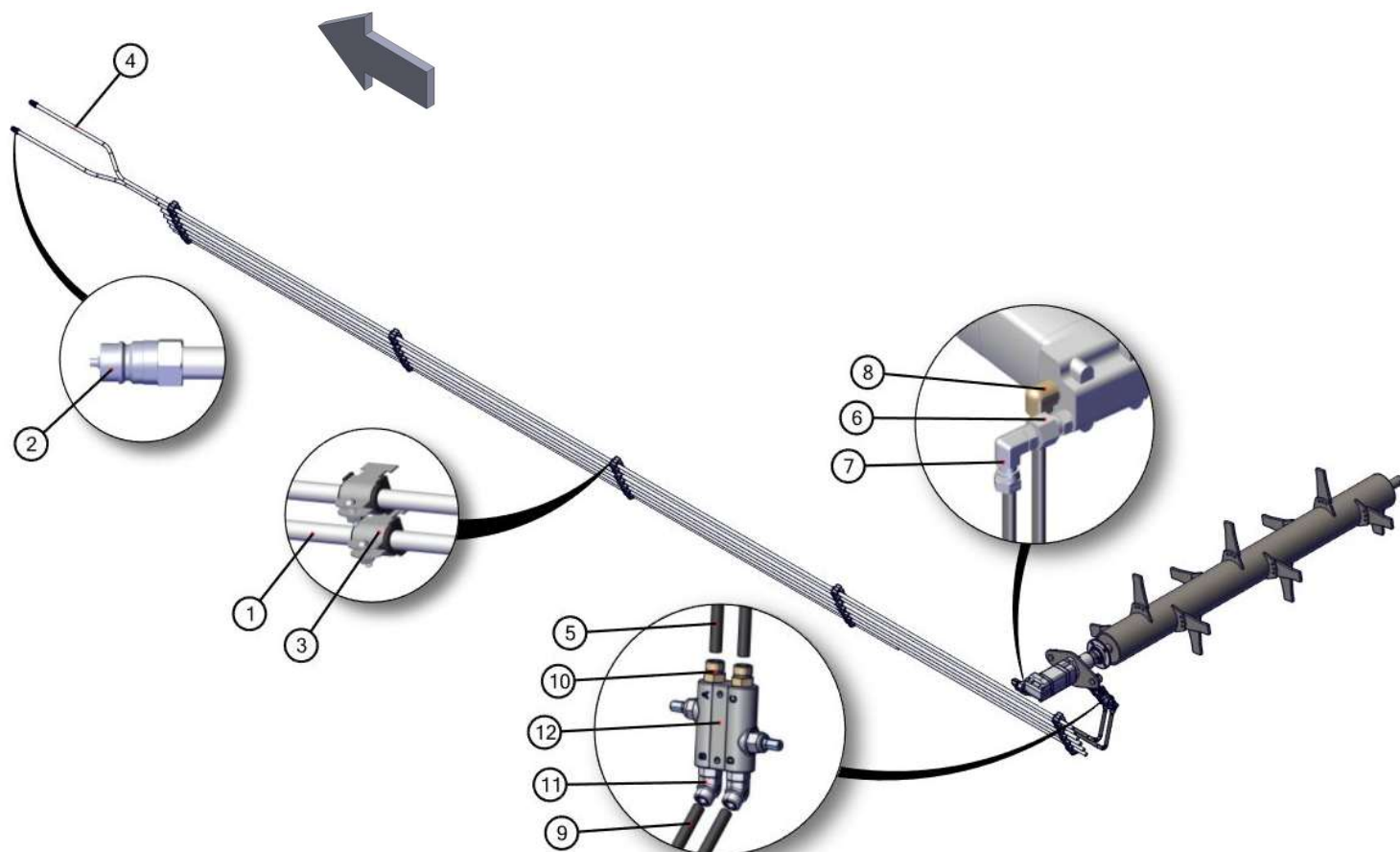
74521-3-03A ENDGATE CYLINDER

| REF | PART            | DESCRIPTION                                                | QTY | WILL FIT SN | REMARKS                       |
|-----|-----------------|------------------------------------------------------------|-----|-------------|-------------------------------|
| 1   | HC-250-2408-ORP | Hydraulic Cylinder 2 1/2 x 24 #8 SAE w/ O-Piston Ring Seal | 0   |             | 34.25' pin-to-pin, 24' Stroke |



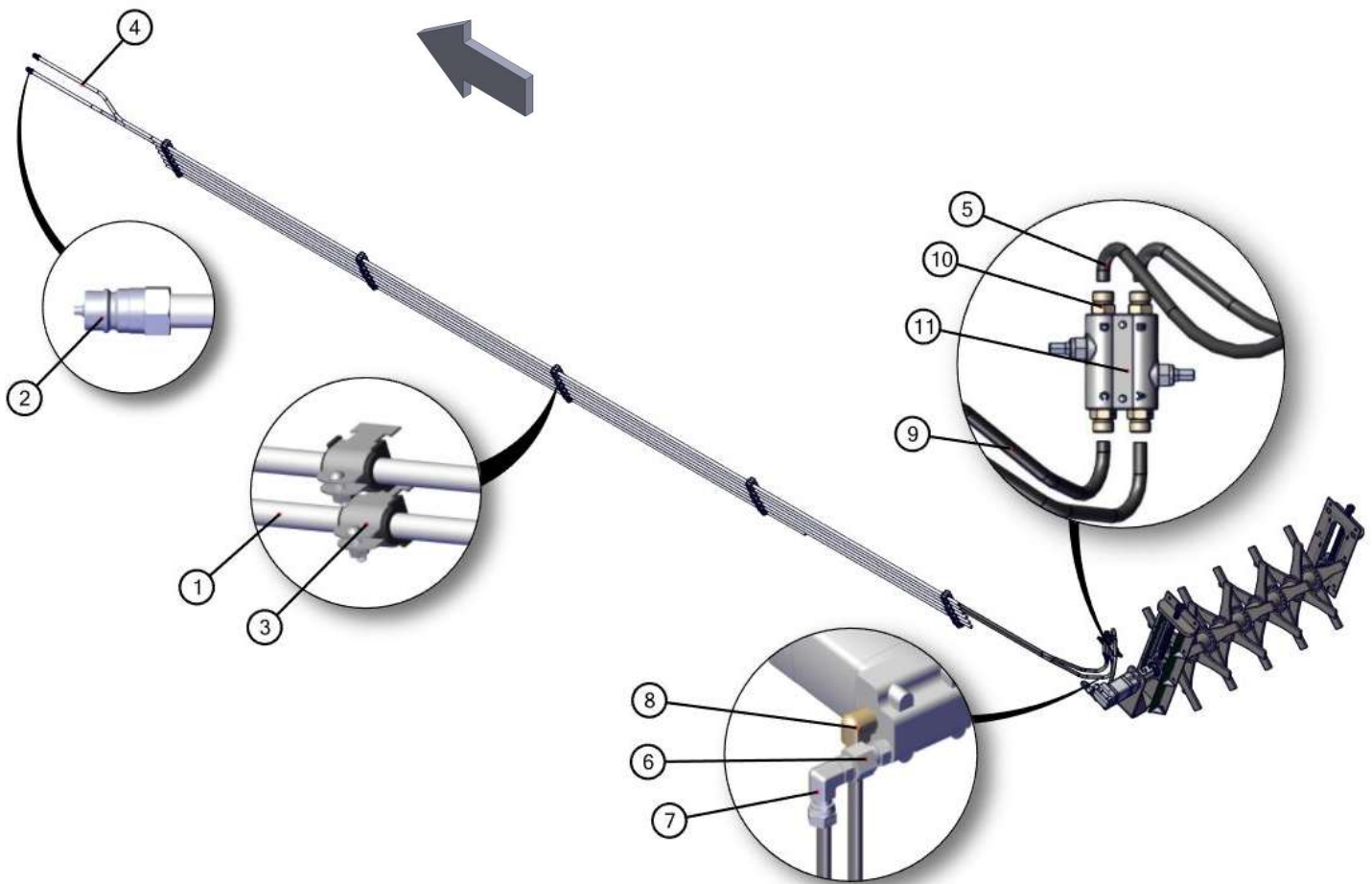
## 77026-3-03 HYDRAULICS, OPTIONAL INNER BEATER

| REF | PART                | DESCRIPTION                                               | QTY | WILL FIT SN | REMARKS |
|-----|---------------------|-----------------------------------------------------------|-----|-------------|---------|
| 1   | H-T7081F            | 5/8" SS Hydraulic Tube, 240', ORFS                        | 2   |             |         |
| 2   | A-QDS71X15          | Ag Quick Coupler, 1/2" ISO5675 x 8SAE                     | 2   |             |         |
| 3   | HA-1062-H           | Hydra-zorb Tube Clamp 5/8" (3 pc.)                        | 10  |             |         |
| 4   | H10-180-10MFF-8MOR  | 5/8" Hose, 5/8" Male ORFS x 1/2" Male SAE, 180'           | 2   |             |         |
| 5   | H10-20-10FFFX-10MFF | 5/8" Hose, 5/8" Female ORFS Swivel x 5/8" Male ORFS, 20in | 2   |             |         |
| 6   | A-FF6507-10-10      | Swivel Straight Adapter, 5/8" FFFX x 5/8" SAE             | 1   |             |         |
| 7   | A-FF6500-10-10      | Elbow, 90, 10MFF x 10FFFX                                 | 1   |             |         |
| 8   | A-FF6809-10-10      | Elbow, 10SAE x 10FFFX                                     | 1   |             |         |
| 9   | H10-26-10FFFX-10MFF | 5/8" Hose, 5/8" Female ORFS Swivel x 5/8" Male ORFS, 26in | 2   |             |         |
| 10  | A-FF6400-10-10      | Union, 10MFF x 10SAE                                      | 2   |             |         |
| 11  | A-FF68-2-10-10      | 45° Adapter, 10MFF x 10SAE                                | 2   |             |         |
| 12  | HV-DRV-3HH-27       | Dual Relief Valve, 10SAE x 2700psi                        | 1   |             |         |



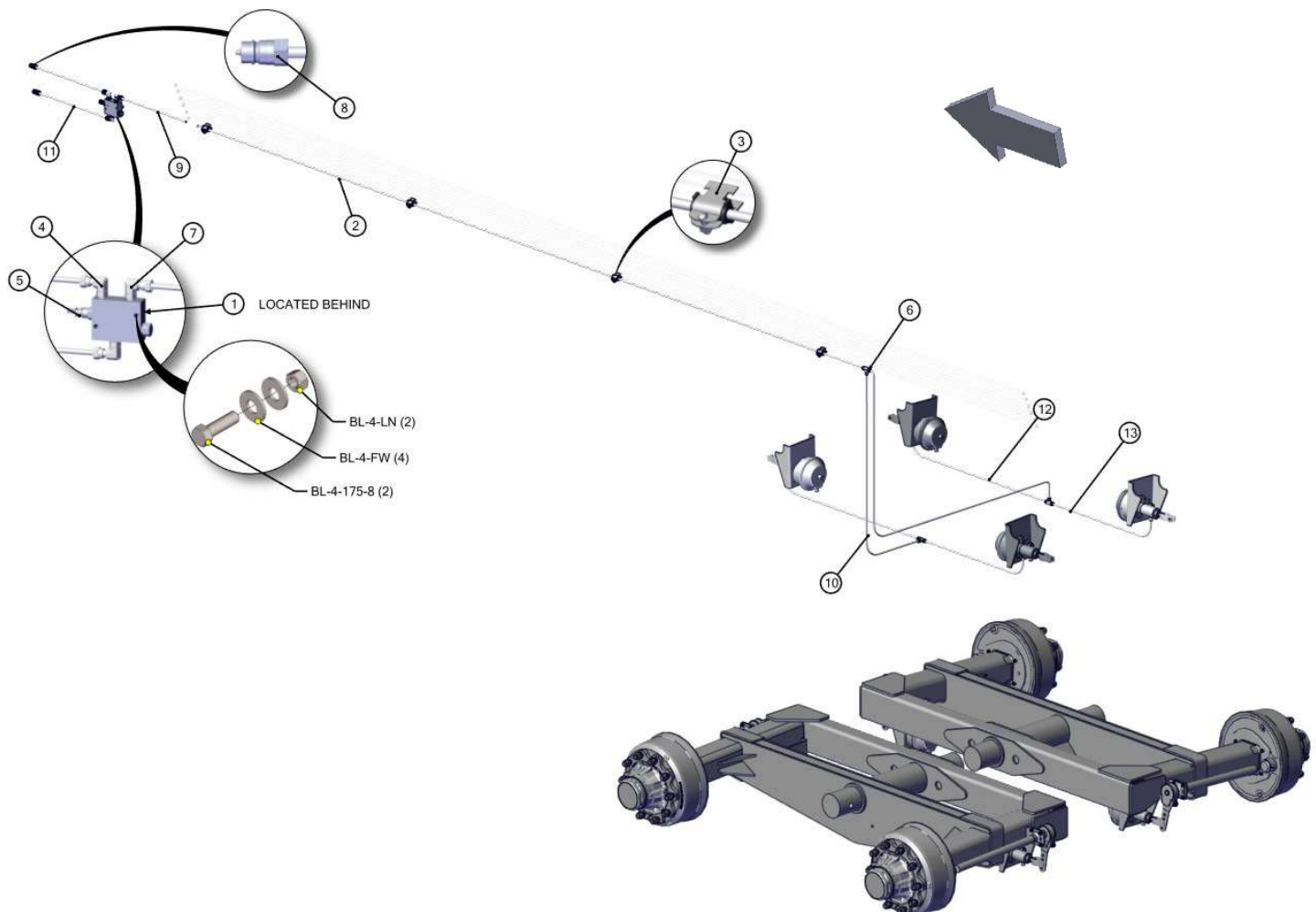
## 77026-3-03A HYDRAULICS, REAR BEATER

| REF | PART                | DESCRIPTION                                               | QTY | WILL FIT SN | REMARKS |
|-----|---------------------|-----------------------------------------------------------|-----|-------------|---------|
| 1   | H-T7081F            | 5/8" SS Hydraulic Tube, 240', ORFS                        | 2   |             |         |
| 2   | A-QDS71X15          | Ag Quick Coupler, 1/2" ISO5675 x 8SAE                     | 2   |             |         |
| 3   | HA-1062-H           | Hydra-zorb Tube Clamp 5/8" (3 pc.)                        | 10  |             |         |
| 4   | H10-180-10MFF-8MOR  | 5/8" Hose, 5/8" Male ORFS x 1/2" Male SAE, 180in          | 2   |             |         |
| 5   | H10-32-10FFFX-10MFF | 5/8" Hose, 5/8" Female ORFS Swivel x 5/8" Male ORFS, 32in | 2   |             |         |
| 6   | A-FF6507-10-10      | Swivel Straight Adapter, 5/8" FFFX x 5/8" SAE             | 1   |             |         |
| 7   | A-FF6500-10-10      | Elbow, 90, 10MFF x 10FFFX                                 | 1   |             |         |
| 8   | A-FF6809-10-10      | Elbow, 10SAE x 10FFFX                                     | 1   |             |         |
| 9   | H10-42-10FFFX-10MFF | 5/8" Hose, 5/8" Female ORFS Swivel x 5/8" Male ORFS, 42in | 2   |             |         |
| 10  | A-FF6400-10-10      | Union, 10MFF x 10SAE                                      | 4   |             |         |
| 11  | HV-DRV-3HH-27       | Dual Relief Valve, 10SAE x 2700psi                        | 1   |             |         |



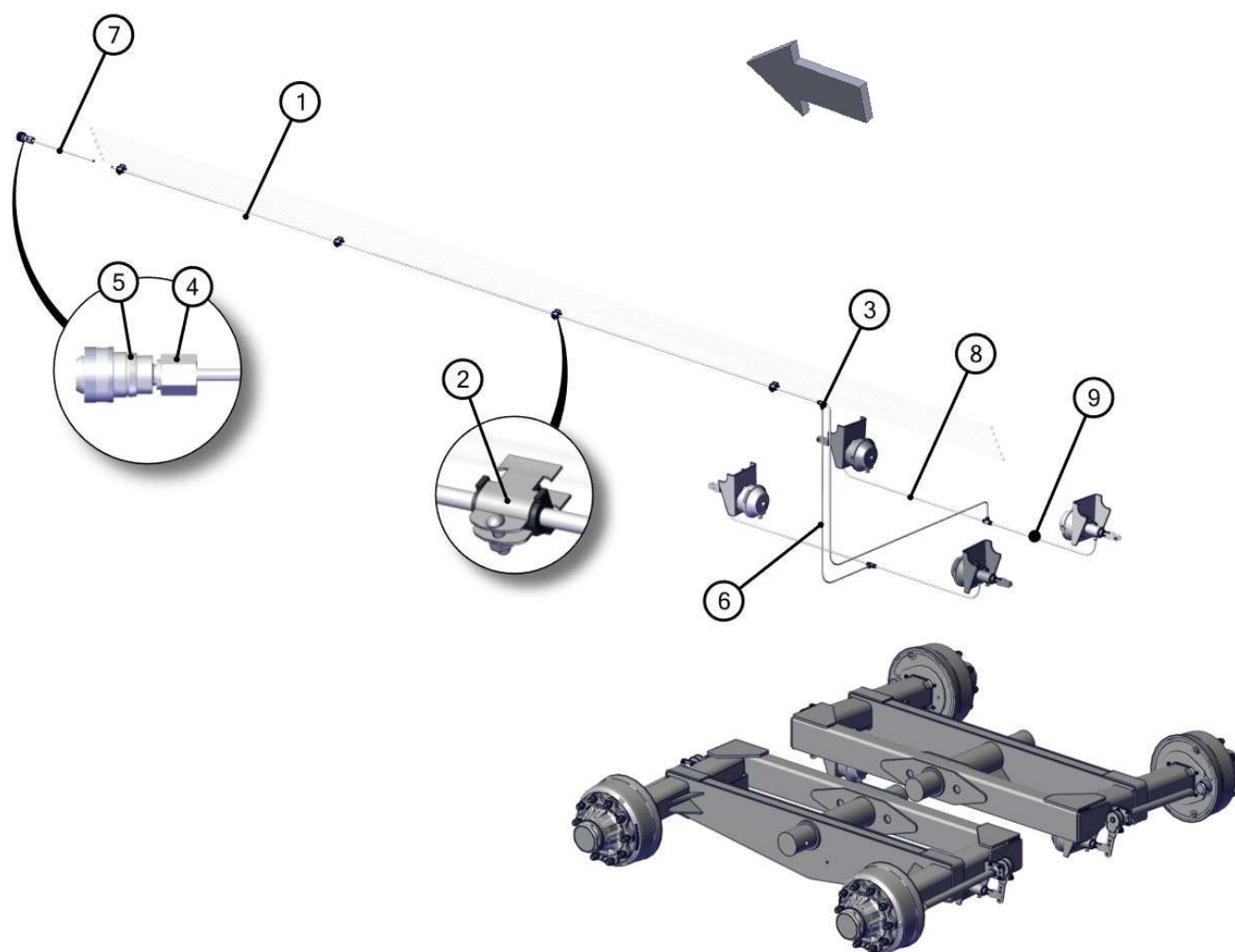
## 77023-3-04 HYDRAULICS, DRUM BRAKES, REMOTE

| REF | PART                 | DESCRIPTION                                                 | QTY | WILL FIT SN | REMARKS      |
|-----|----------------------|-------------------------------------------------------------|-----|-------------|--------------|
| 1   | HA-1004-T            | Test Point Plug, 1/4" NPT                                   | 1   |             | Not Pictured |
| 2   | H-T7063F             | 3/8" SS Hydraulic Tube, 190', ORFS                          | 1   |             |              |
| 3   | HA-1074-H            | Hydra-zorb Tube Clamp 3/8" (3 pc.)                          | 3   |             |              |
| 4   | HV-1002              | Pressure Reducing/Relieving Valve 50-1500 w/RFF Body        | 1   |             |              |
| 5   | HV-1002-K            | Standard Knob for HV-1002                                   | 1   |             |              |
| 6   | A-FF2603-06-06-06    | Tee, 6MFF x 6MFF X 6MFF                                     | 3   |             |              |
| 7   | A-FF6809-6-6         | Elbow, 90, 3/8" SAE x 3/8" FFFX                             | 3   |             |              |
| 8   | A-QDS71X15           | Ag Quick Coupler, 1/2" ISO5675 x 8SAE                       | 2   |             |              |
| 9   | H4-80-6MFF-6MFF      | 1/4" Hose, 3/8" Male ORFS x 3/8" Male ORFS, 80'             | 1   |             |              |
| 10  | H4-77-6FFFX-6FFFX    | 1/4" Hose, 3/8" Female ORFS x 3/8" Female ORFS, 77'         | 2   |             |              |
| 11  | H4-100-8MOR-6MFF     | 1/4" hose, 1/2" SAE x 3/8" Male ORFS, 100'                  | 2   |             |              |
| 12  | H6-48-6FFFX-6FBSPX90 | 3/8in Hose, 3/8 Female ORFS x 3/8 Female BSP 90X, 48in Long | 2   |             |              |
| 13  | H6-36-6FFFX-6FBSPX90 | 3/8in Hose, 3/8 Female ORFS x 3/8 Female BSP 90X, 36in Long | 2   |             |              |
| 100 | BL-4-175-H           | 1/4-20 X 1-3/4 HH C/S G5 ZC                                 | 2   |             |              |
| 101 | BL-4-FW              | 1/4 USS FW ZC                                               | 4   |             |              |
| 102 | BL-4-LN              | 1/4-20 HEX LN NE ZC                                         | 2   |             |              |



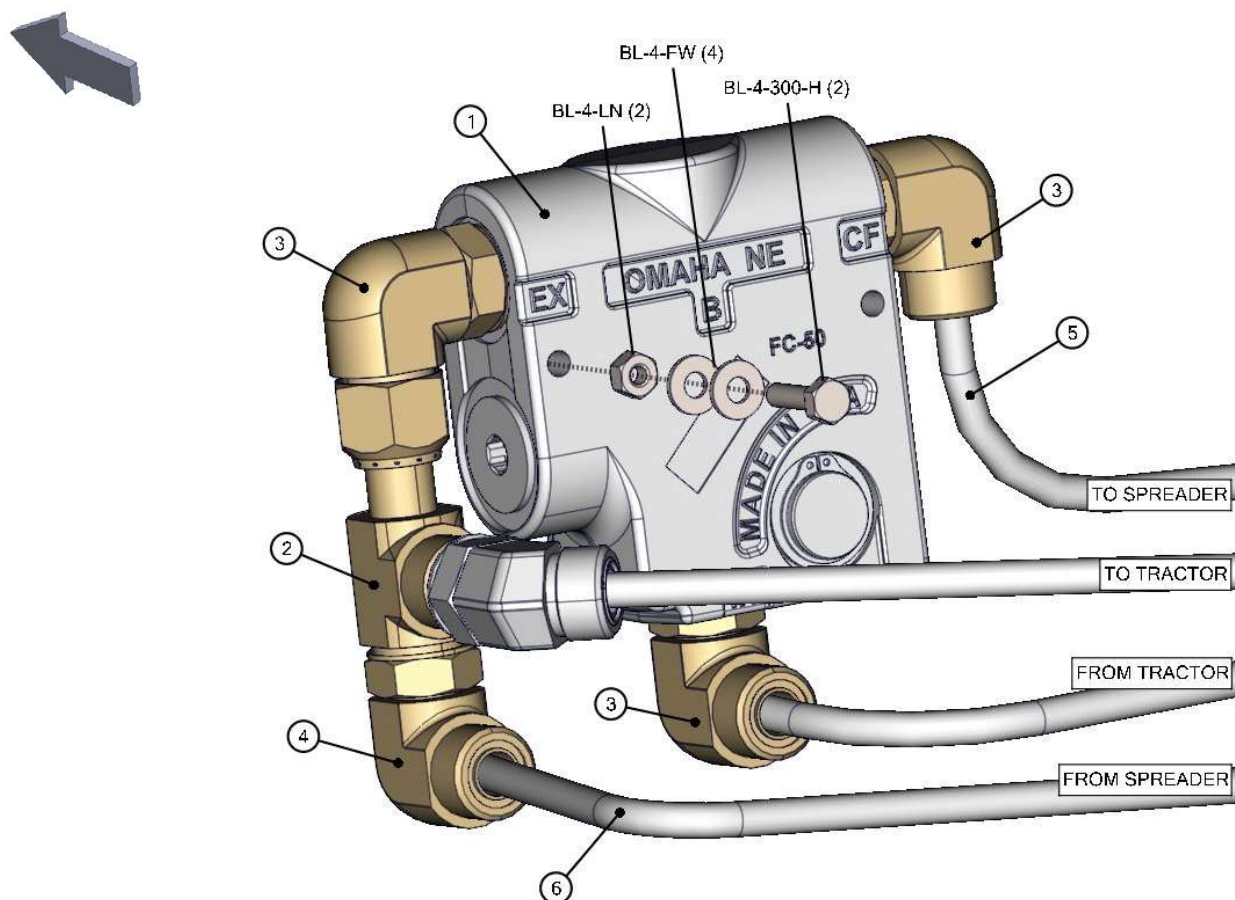
## 77023-3-04A HYDRAULIC DRUM BRAKES, EURO FF

| REF | PART                 | DESCRIPTION                                                 | QTY | WILL FIT SN | REMARKS |
|-----|----------------------|-------------------------------------------------------------|-----|-------------|---------|
| 1   | H-T7063F             | 3/8' SS Hydraulic Tube, 190', ORFS                          | 1   |             |         |
| 2   | HA-1074-H            | Hydra-zorb Tube Clamp 3/8' (3 pc.)                          | 3   |             |         |
| 3   | A-FF2603-06-06-06    | Tee, 6MFF x 6MFF X 6MFF                                     | 3   |             |         |
| 4   | A-7455-08-18         | Metric To Pipe Adapter, 1/2in Pipe to 18mm                  | 1   |             |         |
| 5   | AQ-160559            | Hyd. Quick-Connect Coupler, JD Hydraulic Brake              | 1   |             |         |
| 6   | H4-77-6FFFX-6FFFX    | 1/4' Hose, 3/8' Female ORFS x 3/8' Female ORFS, 77'         | 2   |             |         |
| 7   | H4-180-8MP-6MFF      | 1/4' Hose, 1/2' Male Pipe x 3/8' Male ORFS, 180'            | 1   |             |         |
| 8   | H6-48-6FFFX-6FBSPX90 | 3/8in Hose, 3/8 Female ORFS x 3/8 Female BSP 90X, 48in Long | 2   |             |         |
| 9   | H6-36-6FFFX-6FBSPX90 | 3/8in Hose, 3/8 Female ORFS x 3/8 Female BSP 90X, 36in Long | 2   |             |         |



## 77023-3-05 OPT. HYDRAULICS, MANUAL FLOW CONTROL, WEB DRIVE

| REF | PART                 | DESCRIPTION                                        | QTY | WILL FIT SN | REMARKS |
|-----|----------------------|----------------------------------------------------|-----|-------------|---------|
| 1   | HV-FC5510            | Flow Control, #10 SAE, 0-16 GPM, Free Reverse Flow | 1   |             |         |
| 2   | A-FF6602-10-10-10    | Run Tee, 10MFF X 10MFF X 10FFFX                    | 1   |             |         |
| 3   | A-FF6801-10-10       | Elbow, 5/8" MFF x 5/8" SAE                         | 3   |             |         |
| 4   | A-FF6500-10-10       | Elbow, 90, 10MFF x 10FFFX                          | 2   |             |         |
| 5   | H10-17-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS     | 1   |             |         |
| 6   | H10-36-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS     | 1   |             |         |
| 7   | PR70131              | Cover, Flow Control Cutout                         | -1  |             |         |
| 100 | BL-4-300-H           | 1/4-20 X 3 HEX CAP G5 ZC                           | 2   |             |         |
| 101 | BL-4-FW              | 1/4 USS FW ZC                                      | 4   |             |         |
| 102 | BL-4-LN              | 1/4-20 HEX LN NE ZC                                | 2   |             |         |

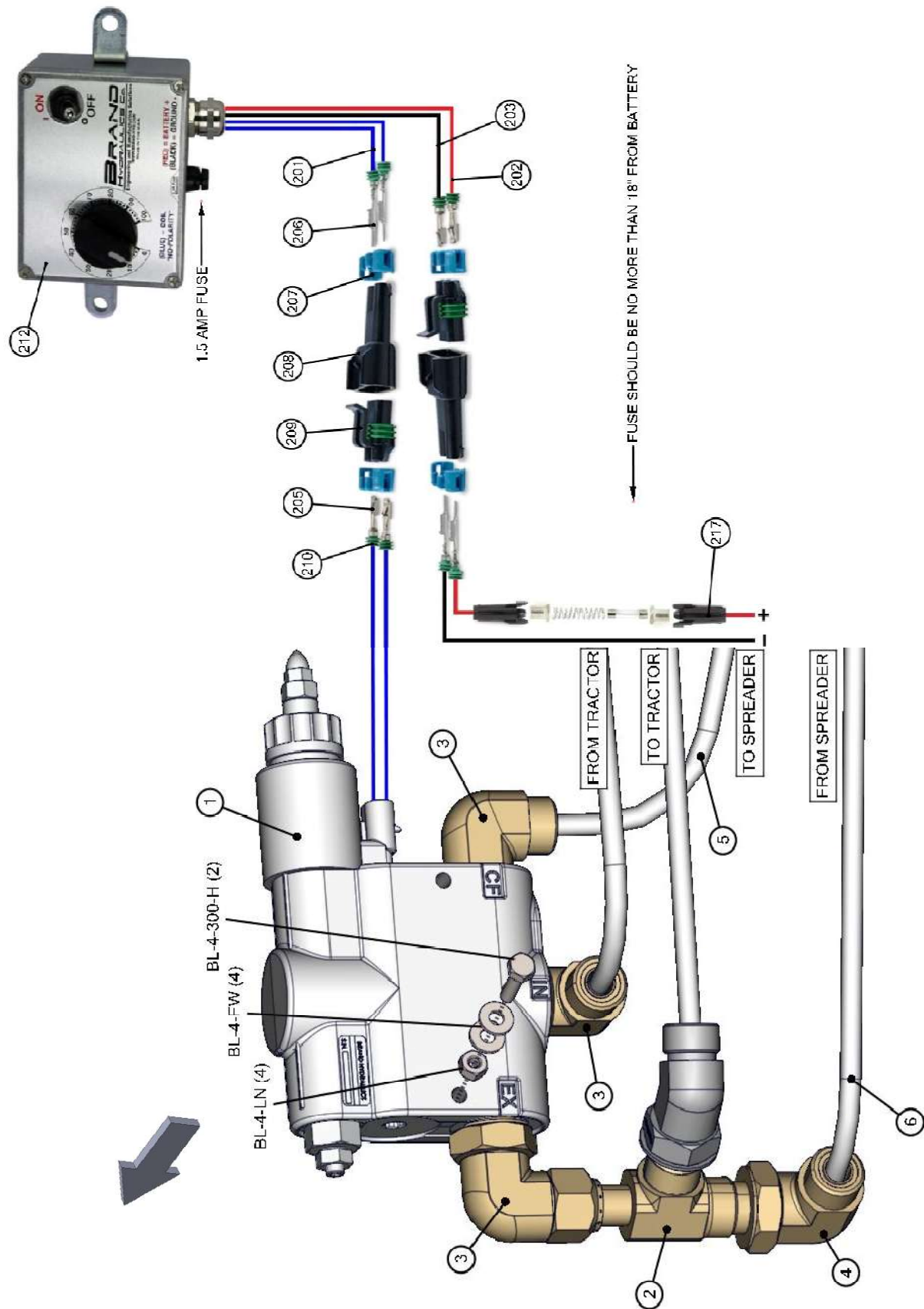


PAGE LEFT BLANK  
INTENTIONALLY

## 77023-3-06 OPT. HYDRAULICS, REMOTE, ELECTRIC FLOW CONTROL, WEB DRIVE

| REF | PART                 | DESCRIPTION                                      | QTY | WILL FIT SN | REMARKS           |
|-----|----------------------|--------------------------------------------------|-----|-------------|-------------------|
| 1   | HVE-3001             | Electronic Flow Control                          | 1   | 77023004-   | HVE-C122012 Prior |
| 2   | A-FF6602-10-10-10    | Run Tee, 10MFF X 10MFF X 10FFFX                  | 1   |             |                   |
| 3   | A-FF6801-10-12       | Elbow, 10MFF x 12SAE                             | 3   |             |                   |
| 4   | A-FF6500-10-10       | Elbow, 90, 10MFF x 10FFFX                        | 2   |             |                   |
| 5   | H10-17-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS   | 1   |             |                   |
| 6   | H10-36-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS   | 1   |             |                   |
| 100 | BL-4-300-H           | 1/4-20 X 3 HEX CAP G5 ZC                         | 2   |             |                   |
| 101 | BL-4-FW              | 1/4 USS FW ZC                                    | 4   |             |                   |
| 102 | BL-4-LN              | 1/4-20 HEX LN NE ZC                              | 2   |             |                   |
| 201 | ELC-14-BL            | 14 Gauge Wire (Blue)                             | 40  |             |                   |
| 202 | ELC-14-R             | 14 Gauge Wire, Red                               | 20  |             |                   |
| 203 | ELC-14-BLK           | 14 Gauge Wire, Black                             | 20  |             |                   |
| 204 | ELL-25-0             | 1/4' Wire Loom @ft                               | 20  |             |                   |
| 205 | EL-30036             | Male Terminal                                    | 4   |             |                   |
| 206 | EL-30037             | Female Terminal                                  | 4   |             |                   |
| 207 | EL-38035             | Two Contact Clip for Contact Connector           | 4   |             |                   |
| 208 | EL-38062             | Male Connector Body, Metri-Pack, 280 Series      | 2   |             |                   |
| 209 | EL-38063             | Female Connector Body, Metri-Pack, 280 Series    | 2   |             |                   |
| 210 | EL-39000             | Cable Seal                                       | 8   |             |                   |
| 211 | ELT-31703            | Terminal Ring, 16-14 Ga.#10 Blue Insulated Nylon | 2   |             |                   |
| 212 | HV-1201              | Brand Flow Valve Electronic Box                  | 1   |             | *B2               |
| 216 | EL-70150             | 1.5 Amp Fuse, Type GMA                           | 1   |             |                   |
| 217 | EL-46000             | Inline Fuse Holder                               | 1   |             |                   |
| 801 | ELC-0067             | Harness, Communication                           | 1   |             |                   |
| 802 | ELC-0068             | Harness, Power                                   | 1   |             |                   |

## 77023-3-06 OPT. HYDRAULICS, REMOTE, ELECTRIC FLOW CONTROL, WEB DRIVE



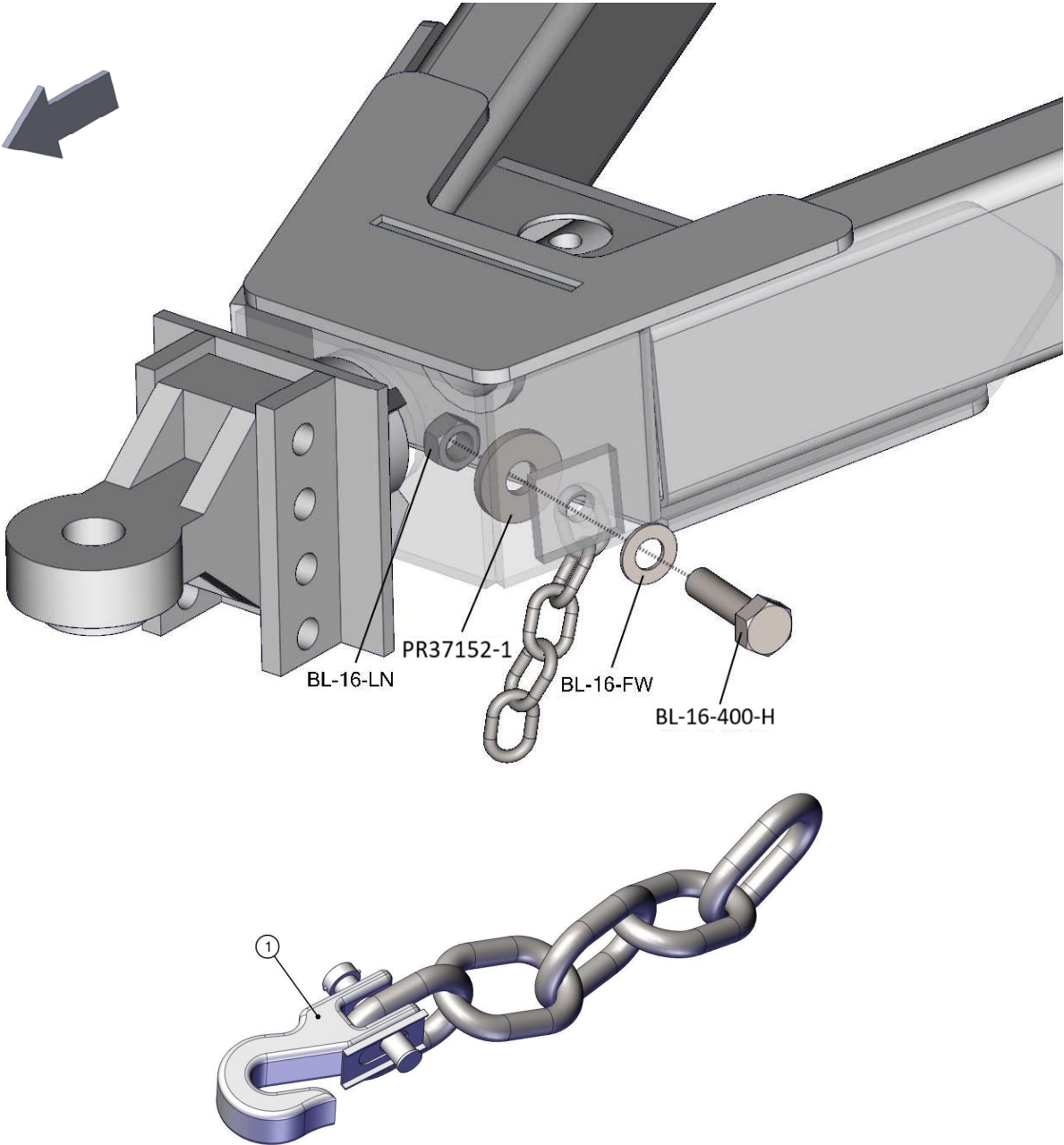
## 77023-3-07 OPT. AIR BRAKES, ADR AXLES

| REF | PART              | DESCRIPTION                                        | QTY    | WILL FIT SN | REMARKS |
|-----|-------------------|----------------------------------------------------|--------|-------------|---------|
| 1   | TRL-BRK-0001      | Trailer Air Brake, Brake Actuating Kit             | 1      |             |         |
| 2   | TRL-BRK-0002      | Air Line Set for Air Brakes                        | 1      |             |         |
| 3   | AIR-N6DOT         | 3/8' Nylon Tubing @ ft., Meets D.O.T. Specs, Black | 23.875 |             |         |
| 4   | A-1405-8-8        | 1/2' NPT Coupler w/Swivel                          | 2      |             |         |
| 5   | A-1501-12-12      | 3/4 MP x 3/4 FPX 90°                               | 1      |             |         |
| 6   | A-1404-12-12      | 3/4 MP x 3/4 FPX                                   | 1      |             |         |
| 7   | A-5405-4-6        | Pipe Adapter 3/8 FPT x 1/4 MPT                     | 2      |             |         |
| 8   | LA-309            | Universal Gladhand Holder                          | 2      |             |         |
| 9   | TRL-BRK-0001-34   | Air Chamber Assembly                               | 4      |             |         |
| 10  | PR60032           | Panel, Air Compressor Shield                       | 1      |             |         |
| 11  | PR60000-Z2        | Air Tank Mount                                     | 2      |             |         |
| 100 | BL-8-150-C        | 1/2-13 X 1-1/2 CARRIAGE BOLT G5 ZC                 | 4      |             |         |
| 101 | BL-8-FW           | 1/2 USS FW ZC                                      | 4      |             |         |
| 102 | BL-8-LW           | 1/2 SPLIT LW ZC                                    | 4      |             |         |
| 103 | BL-8-N            | 1/2-13 HEX FIN NUTS ZC                             | 4      |             |         |
| 601 | H10-300-10FJ-10FJ | 5/8' Hose x 5/8' Female JIC x 300 Long             | 1      |             |         |
| 801 | TRL-BRK-0003      | Gladhand - Service                                 | 1      |             |         |
| 802 | TRL-BRK-0004      | Gladhand - Emergency                               | 1      |             |         |
| 803 | TRL-BRK-0005      | 1/2' Bulkhead Coupling                             | 2      |             |         |
| 804 | TRL-BRK-0006      | 3/8 x 1/4 Male Connector                           | 2      |             |         |
| 805 | TRL-BRK-0007      | 3/8 x 3/8 Male Connector                           | 3      |             |         |
| 806 | TRL-BRK-0008      | 3/8 x 3/8 Male Elbow                               | 5      |             |         |
| 807 | TRL-BRK-0009      | 1/4' Drain Valve                                   | 1      |             |         |
| 808 | TRL-BRK-0010      | 3/4' Hex Nipple                                    | 1      |             |         |
| 809 | TRL-BRK-0011      | 3/8' Pipe Plug                                     | 1      |             |         |
| 810 | TRL-BRK-0012      | Air Tank - Standard 9'x28', 6.5 Gallon             | 1      |             |         |
| 811 | TRL-BRK-0013      | Emergency Spool                                    | 1      |             |         |
| 812 | TRL-BRK-0014      | Air Relay Valve                                    | 1      |             |         |
| 814 | TRL-BRK-0016      | 3/8' x 40' Air Brake Hose Assy                     | 2      |             |         |
| 815 | TRL-BRK-0017      | 3/8' X 72' Air Brake Hose Assy                     | 2      |             |         |

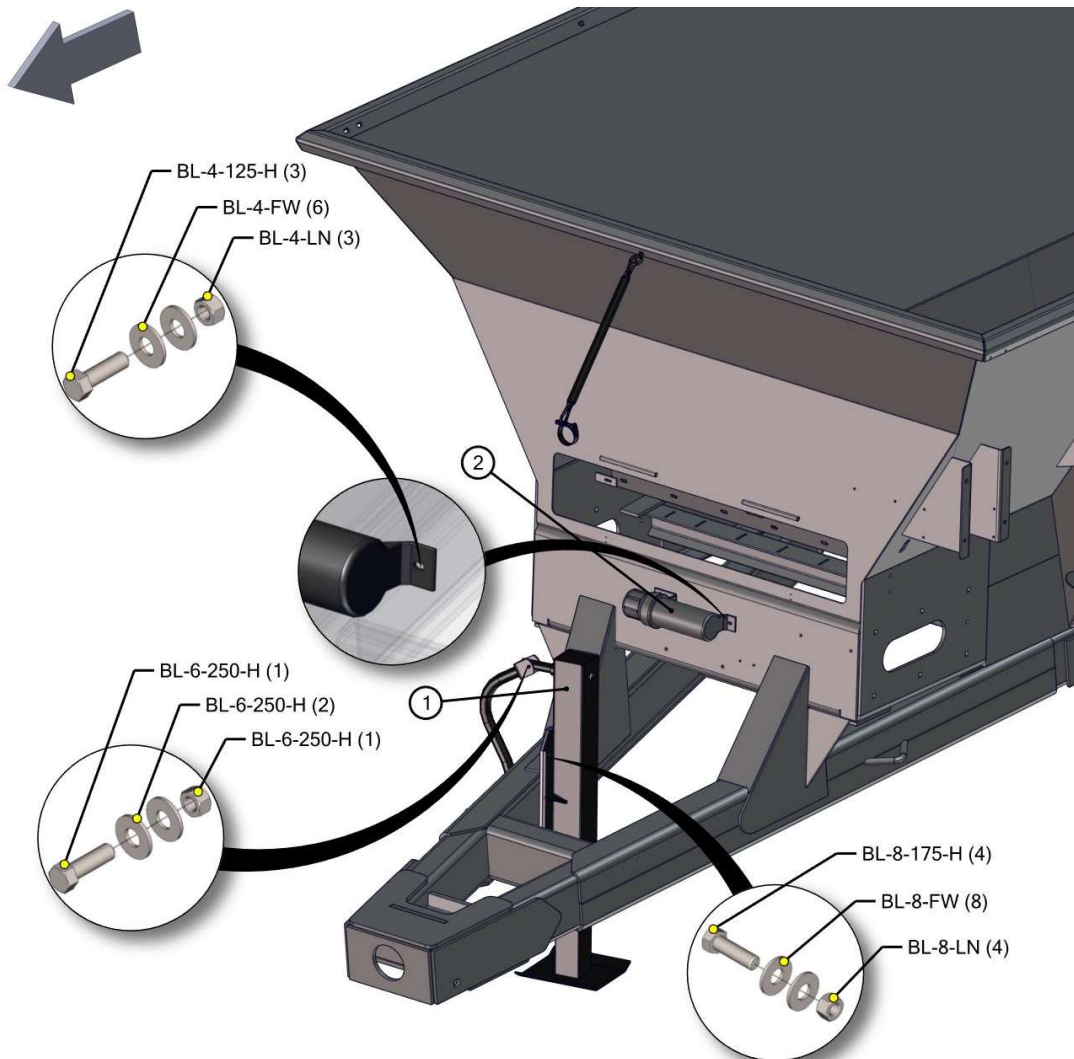


77021-4-01 SAFETY CHAIN

| REF | PART        | DESCRIPTION                                     | QTY | WILL FIT SN | REMARKS |
|-----|-------------|-------------------------------------------------|-----|-------------|---------|
| 1   | FRM-3172    | Safety Chain, Agricultural, 60,600 lb. Capacity | 1   |             |         |
| 2   | PR37152-1   | Safety Chain Washer, 3.25" O.D.                 | 1   |             |         |
| 101 | BL-24-FW    | 1-1/2 USS FW                                    | 1   |             |         |
| 102 | BL-16-LN    | 1 LN w/ NYLON INSERTS                           | 1   |             |         |
| 103 | BL-16-400-H | 1 X 4 HH BOLT ZC G5                             | 1   |             |         |

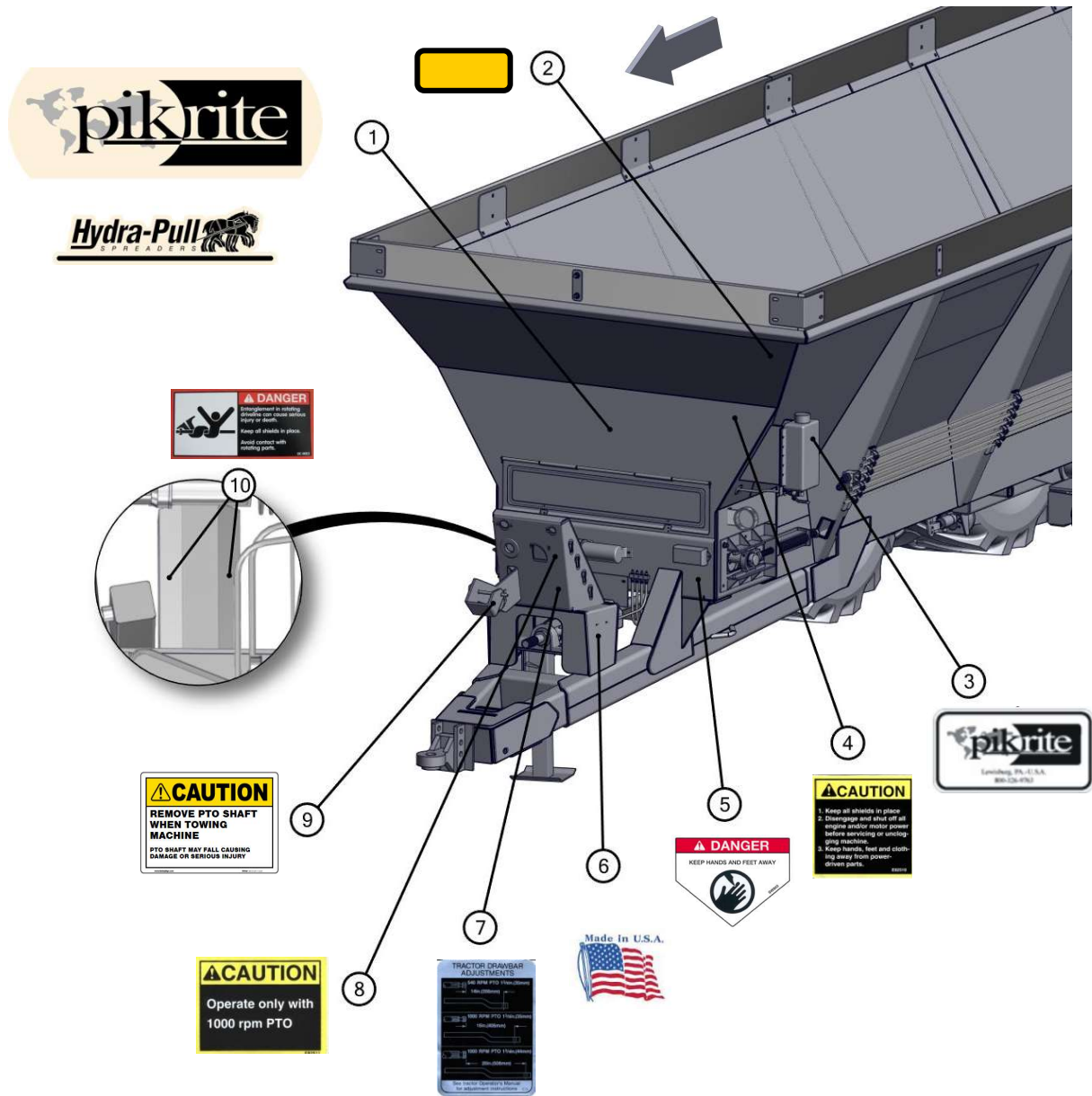


| REF | PART           | DESCRIPTION                              | QTY | WILL FIT SN | REMARKS |
|-----|----------------|------------------------------------------|-----|-------------|---------|
| 1   | WH-1135        | Jack, HP900 Spreader                     | 1   |             |         |
| 2   | MAN-67670      | Manual Holder/Canister                   | 1   |             |         |
| 3   | SPG-0014       | Hose Tender, 16', Single                 | 1   |             |         |
| 4   | CL-225         | 2 1/4" T-Bolt Clamp                      | 1   |             |         |
| 5   | BL-6-125-ES-SS | 3/8-16 X 1-1/4 EYE BOLT, w/ SHOULDER, SS | 1   |             |         |
| 100 | BL-4-125-H     | 1/4-20 X 1-1/4 HEX CAP G5 ZC             | 3   |             |         |
| 101 | BL-4-FW        | 1/4 USS FW ZC                            | 6   |             |         |
| 102 | BL-4-LN        | 1/4-20 HEX LN NE ZC                      | 3   |             |         |
| 103 | BL-6-250-H     | 3/8-16 X 2-1/2 HH C/S G5 ZC              | 1   |             |         |
| 104 | BL-6-FW        | 3/8 USS FW ZC                            | 2   |             |         |
| 105 | BL-6-LN        | 3/8-16 FIN H LN NE A563 GA ZC            | 1   |             |         |
| 106 | BL-8-175-H     | 1/2-13 X 1-3/4 HH G5 ZC                  | 4   |             |         |
| 107 | BL-8-FW        | 1/2 USS FW ZC                            | 8   |             |         |
| 108 | BL-8-LN        | 1/2-13 LN NYLON INSERT ZC                | 4   |             |         |



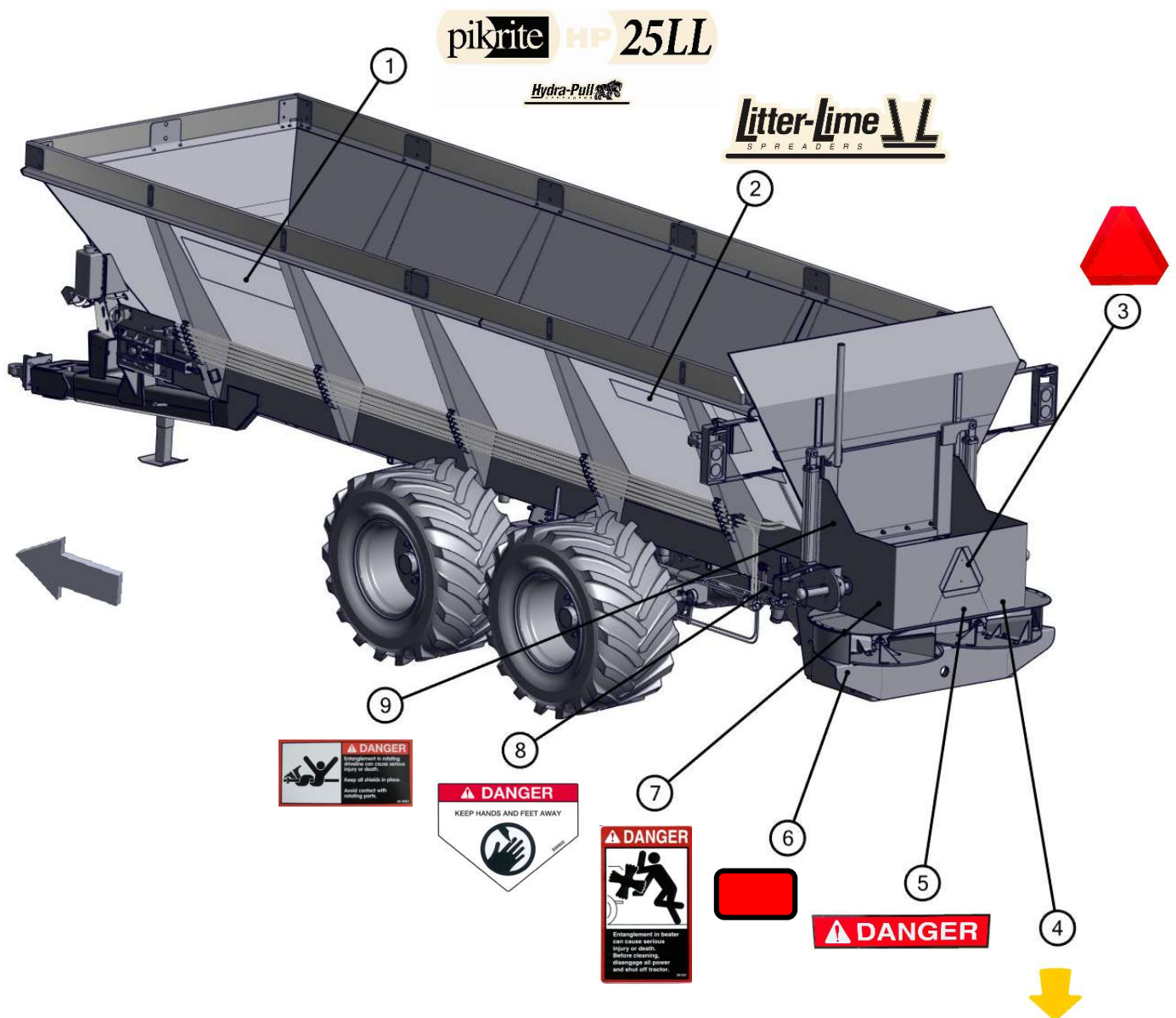
## 77021-4-03 DECALS ON FRONT OF SPREADER

| REF | PART    | DESCRIPTION                                                 | QTY | WILL FIT SN | REMARKS |
|-----|---------|-------------------------------------------------------------|-----|-------------|---------|
| 1   | DC-0103 | Pikrite/Hydra-Pull Spreaders 14.23' x 22.8'                 | 1   |             |         |
| 2   | EL-1226 | Decal Reflector, Rectangle, Yellow, 2x3.5, Adhesive         | 2   |             |         |
| 3   | DC-4W   | Decal, Logo, White, 5.25' Long, Tanks, 1/29/99              | 1   |             |         |
| 4   | DC-0023 | Decal, Caution, Keep All Shields In Place                   | 1   |             |         |
| 5   | DC-1174 | Decal, Danger Keep Hands and Feet Away                      | 2   |             |         |
| 6   | DC-0011 | Decal, All, 'Made in USA', White Back w/ Red & Blue Letters | 1   |             |         |
| 7   | DC-0022 | Decal, Tractor Drawbar Adjustments                          | 1   |             |         |
| 8   | DC-0021 | Decal, Caution, 1000 rpm PTO                                | 1   |             |         |
| 9   | DC-0221 | Decal, Caution, Stationary Use                              | 1   |             |         |
| 10  | DC-0025 | Decal, Danger, Entanglement In Rotating Drive               | 2   |             |         |



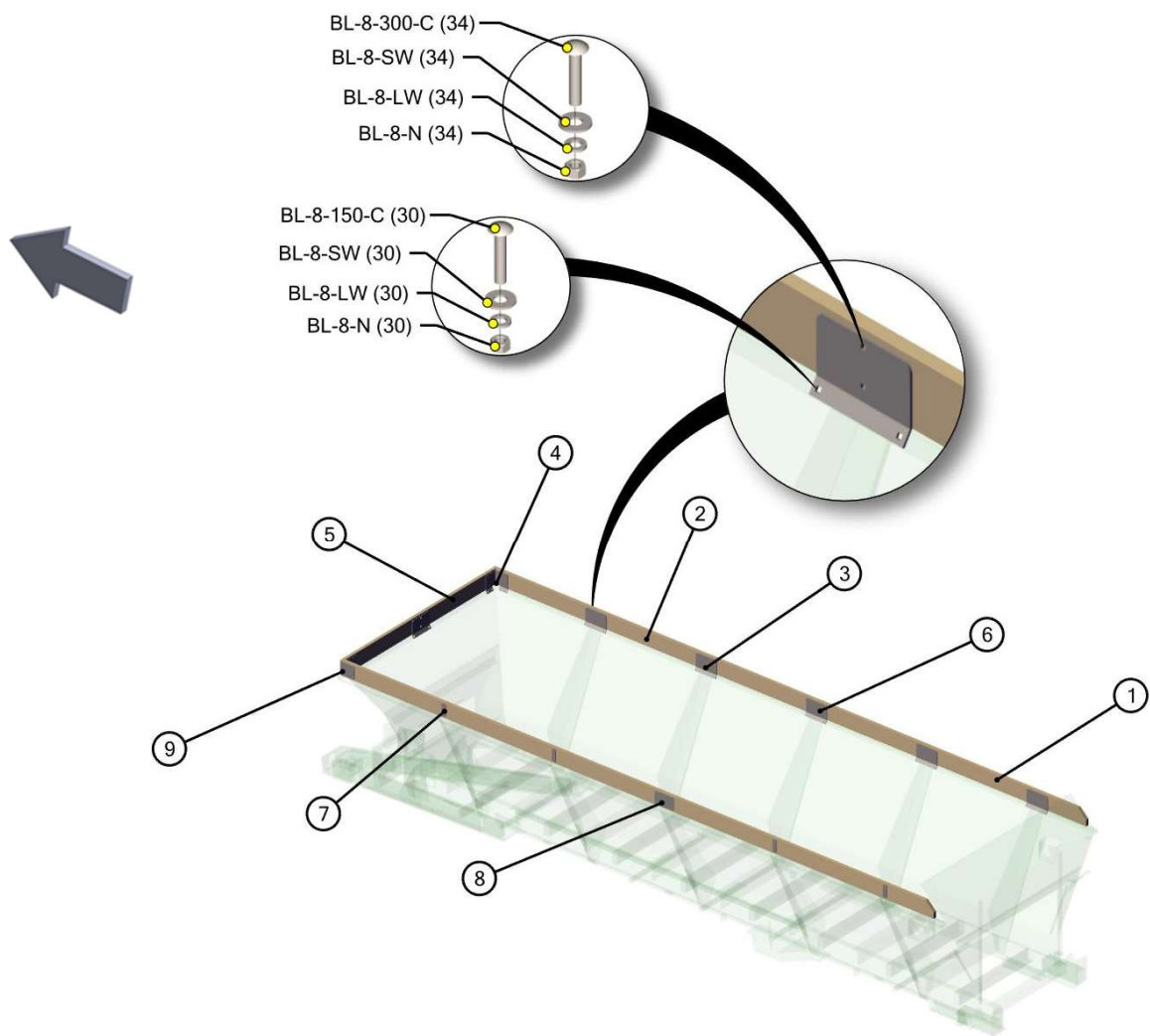
## 77021-4-04 DECALS ON SIDES & REAR OF SPEADER

| REF | PART     | DESCRIPTION                                                     | QTY | WILL FIT SN | REMARKS |
|-----|----------|-----------------------------------------------------------------|-----|-------------|---------|
| 1   | DC-0128  | Pikrite/Hydra-Pull/Litter-Lime HP25LL Spreaders 14.32' x 42.09' | 2   |             |         |
| 2   | DC-0129  | Decal, Litter-Lime Spreaders, White, Approx 9.66' x 32'         | 2   |             |         |
| 3   | SMV-D    | SMV Sign, Decal                                                 | 1   |             |         |
| 4   | DC-ARROW | Decal, Yellow Direction Arrow                                   | 2   |             |         |
| 5   | DC-1184  | Danger Decal, 3' x 16'                                          | 1   |             |         |
| 6   | DC-0033  | Decal, Red, Reflector, Spreader                                 | 4   |             |         |
| 7   | DC-0030  | Decal, Danger, Entanglement In Beater                           | 2   |             |         |
| 8   | DC-1174  | Decal, Danger Keep Hands and Feet Away                          | 2   |             |         |
| 9   | DC-0025  | Decal, Danger, Entanglement In Rotating Drive                   | 2   |             |         |



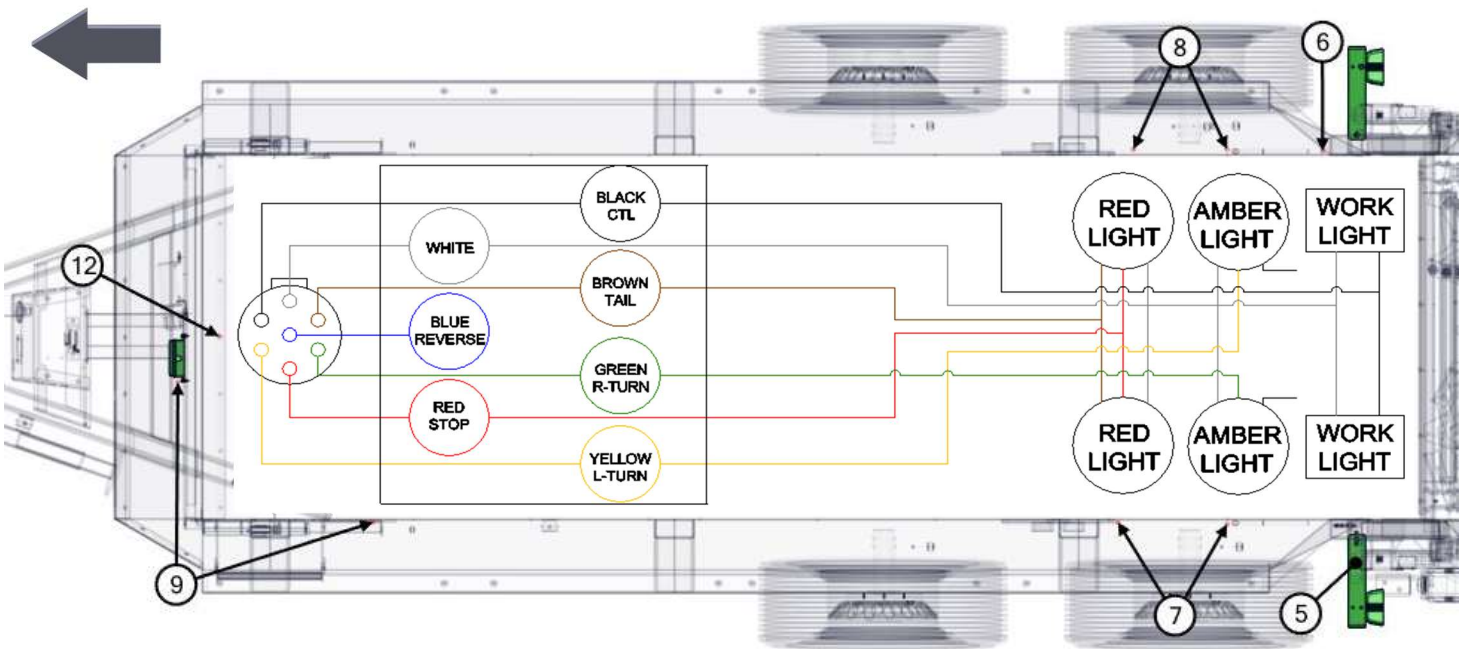
77023-4-05 SIDE EXTENSIONS

| REF | PART        | DESCRIPTION                        | QTY | WILL FIT SN | REMARKS |
|-----|-------------|------------------------------------|-----|-------------|---------|
| 1   | PR72037     | Side Extension, Rear Board         | 2   |             |         |
| 2   | LUM-2X8-168 | Lumber, 2x8x14'                    | 2   |             |         |
| 3   | PR72035     | Bracket, Side Extension            | 9   |             |         |
| 4   | PR72036     | Bracket, Side Extension, Corner    | 2   |             |         |
| 5   | LUM-2X8-96  | Lumber, 2x8, 8'                    | 1   |             |         |
| 6   | PR72038     | Bracket, Extension, Splice         | 2   |             |         |
| 7   | PR72039     | Washer, Narrow                     | 9   |             |         |
| 8   | PR72041     | Washer, Side Extension, Splice     | 2   |             |         |
| 9   | PR72042     | Washer, Side Extension, Corner     | 2   |             |         |
| 100 | BL-8-150-C  | 1/2-13 X 1-1/2 CARRIAGE BOLT G5 ZC | 30  |             |         |
| 101 | BL-8-300-C  | 1/2-13 X 3 CARRIAGE BOLT G5 ZC     | 34  |             |         |
| 102 | BL-8-SW     | 1/2 SAE FW ZC                      | 64  |             |         |
| 103 | BL-8-LW     | 1/2 SPLIT LW ZC                    | 64  |             |         |
| 104 | BL-8-N      | 1/2-13 HEX FIN NUTS ZC             | 64  |             |         |

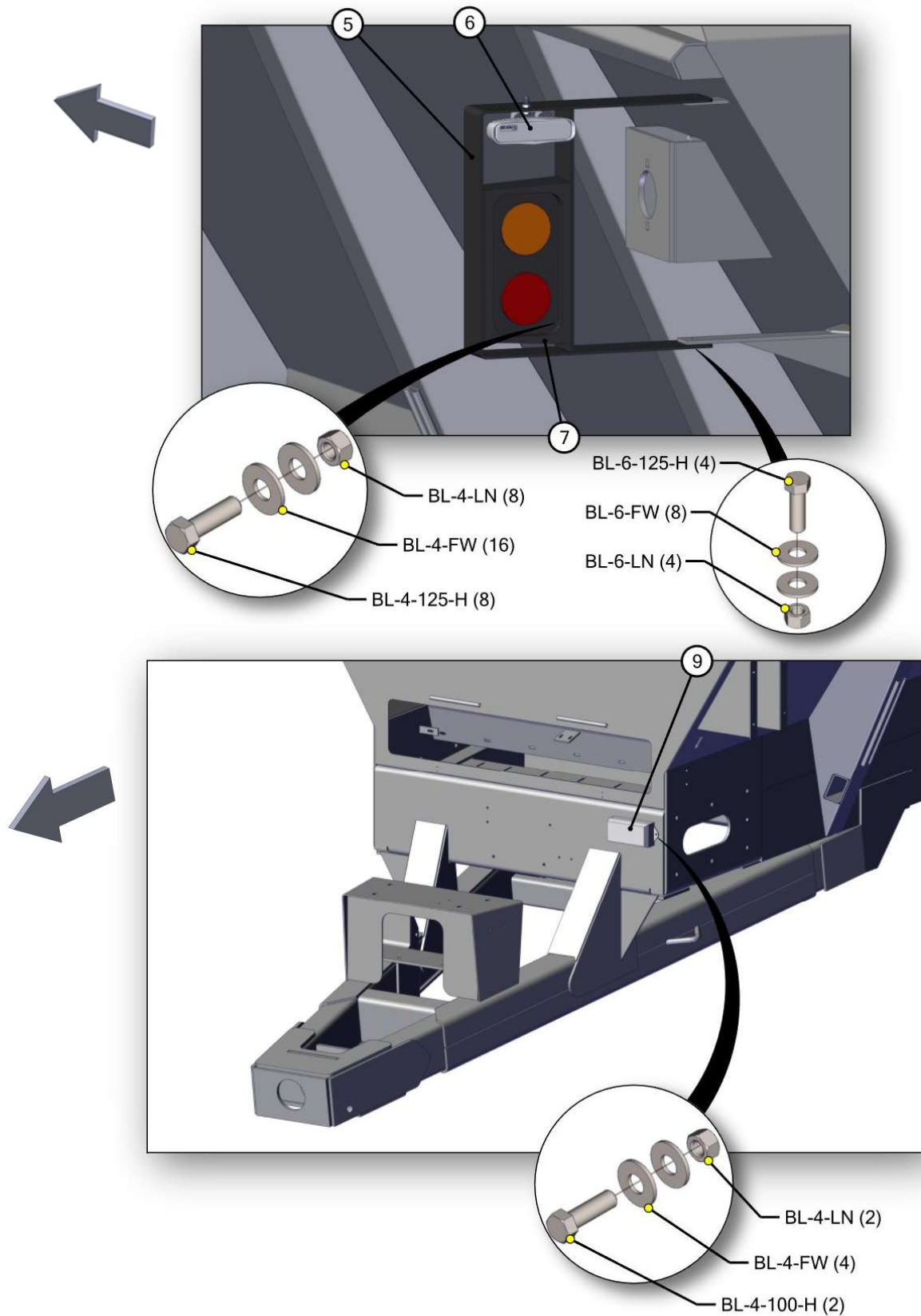


## 77021-5-01 ELECTRICAL AND LIGHTING

| REF | PART         | DESCRIPTION                                                     | QTY | WILL FIT SN | REMARKS             |
|-----|--------------|-----------------------------------------------------------------|-----|-------------|---------------------|
| 1   | EL-0078      | Harness, Left Side Spreader Lights                              | 1   |             |                     |
| 2   | EL-0077      | Harness, Right Side, Spreader Lights                            | 1   |             |                     |
| 3   | EL-40604-13  | Harness, Work Lights, Spreader                                  | 2   |             |                     |
| 4   | EL-50781-55  | 7 Conductor x 55' Long, Harness                                 | 1   |             |                     |
| 5   | PR63007      | Light Bracket                                                   | 2   |             |                     |
| 6   | EL-12340     | Work Light, Signal Stat, Rectangle LED, 2400 Lumen              | 2   |             | Spreaders June 2022 |
| 7   | EL-1501      | LED Ag Light, LH, w/ brake light                                | 1   |             |                     |
| 8   | EL-1502      | LED Ag Light, RH, w/ brake light                                | 1   |             |                     |
| 9   | EL-1361      | Junction Box, (7) Studs, (5) Entry, High Impact PE, 2.5x3.5x8.0 | 1   |             |                     |
| 10  | ELC-127-144  | 12 Gauge 7 Conductor Spiral Cord, 12' Long                      | 1   |             |                     |
| 11  | ELL-375      | 3/8' Wire Loom @ft                                              | 2   |             |                     |
| 12  | ELL-16-120SS | 1' Conduit @ Foot, Stainless Steel                              | 2   |             |                     |
| 13  | HA-1075-H    | Hydra-zorb Tube Clamp 1' Pipe/Conduit (3 pc.)                   | 5   |             |                     |
| 100 | BL-4-100-H   | 1/4-20 X 1 HH C/S G5 ZC                                         | 2   |             |                     |
| 101 | BL-4-125-H   | 1/4-20 X 1-1/4 HEX CAP G5 ZC                                    | 8   |             |                     |
| 102 | BL-4-FW      | 1/4 USS FW ZC                                                   | 20  |             |                     |
| 103 | BL-4-LN      | 1/4-20 HEX LN NE ZC                                             | 10  |             |                     |
| 104 | BL-6-125-H   | 3/8-16 X 1-1/4 HHCS G5 ZC                                       | 4   |             |                     |
| 105 | BL-6-FW      | 3/8 USS FW ZC                                                   | 10  |             |                     |
| 106 | BL-6-LN      | 3/8-16 FIN H LN NE A563 GA ZC                                   | 4   |             |                     |
| 107 | BL-6-075-H   | 3/8-16 X 3/4 HHCS G5 ZC                                         | 2   |             |                     |
| 108 | BL-6-LW      | 3/8 SPLIT LW ZC                                                 | 2   |             |                     |
| 109 | BL-6-N       | 3/8-16 HEX NUT ZC                                               | 2   |             |                     |

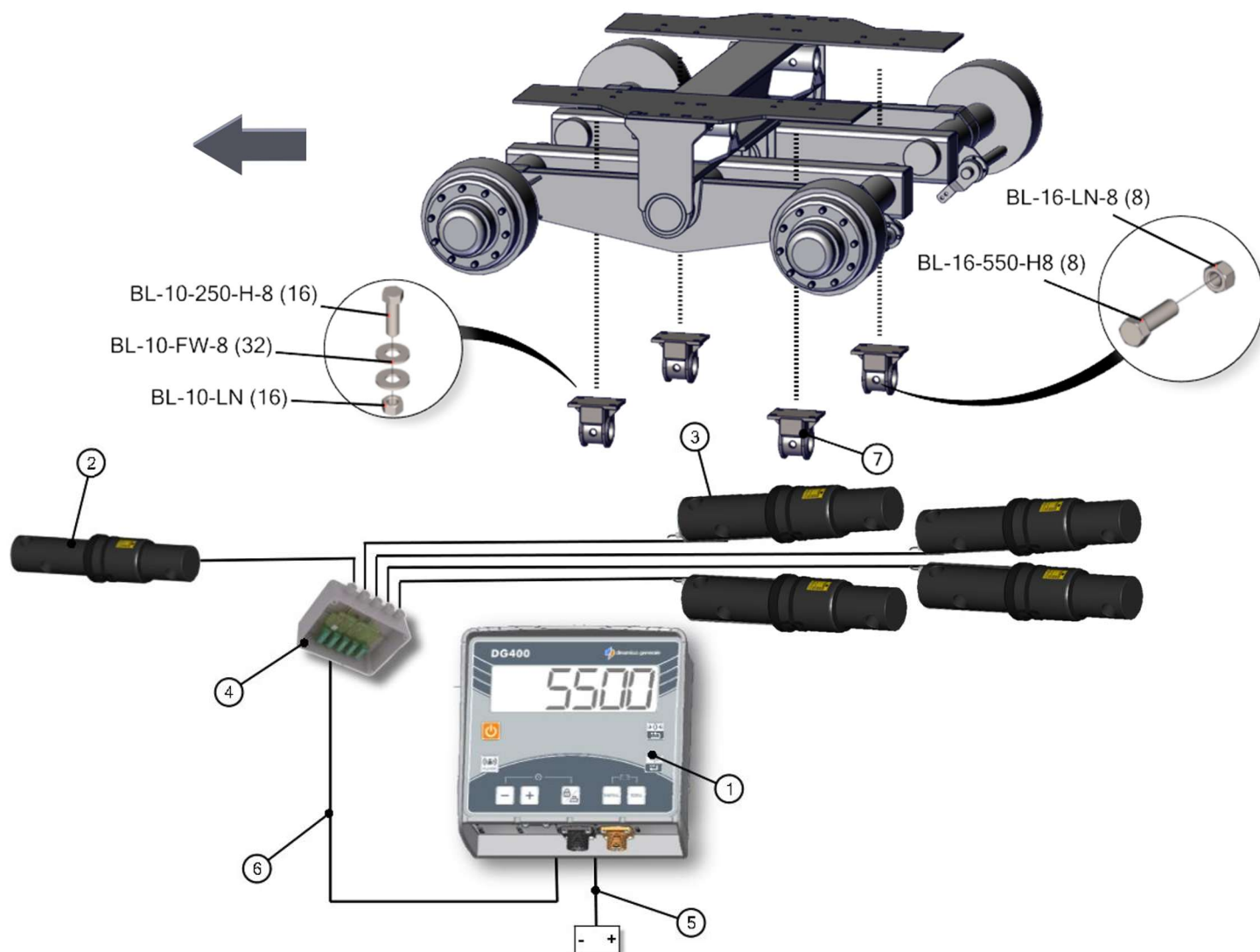


## 77021-5-01 ELECTRICAL AND LIGHTING CONT.



## 77023-5-02 WEIGH SCALE SYSTEM, DG400

| REF | PART          | DESCRIPTION                                                     | QTY | WILL FIT SN | REMARKS          |
|-----|---------------|-----------------------------------------------------------------|-----|-------------|------------------|
| 1   | SWS-1001      | DG400 Slim Box w/ Isobus, Weigh Scale Display Module, 'Auto-On' | 1   |             |                  |
| 2   | SWS-1007      | Load Cell, Hitch, 2-7/8" Dia, HD                                | 1   |             |                  |
| 2   | PR63101       | Hitch Shaft, Hardened, Long                                     | -1  |             |                  |
| 3   | SWS-1002      | Load Cell, Axle, 2-7/8" Dia, SD                                 | 4   |             |                  |
| 4   | SWS-4605-003  | J-Box, 6 Load Cells                                             | 1   |             |                  |
| 5   | SWS-1005      | Power Cable, 16 ft w/ Ring Terminals                            | 1   |             |                  |
| 6   | SWS-1006      | Sensor Cable, 22 ft w/ Connectors, J-Box to Scale Head          | 1   |             |                  |
| 7   | PR80005       | Wide Mount, Load Cell, Over Channel                             | 4   |             | HP900: 74522003- |
| 100 | BL-16-550-H8  | 1-8 X 5-1/2 BOLT HH C/S G8 ZC                                   | 8   |             |                  |
| 101 | BL-16-LN-8    | 1 H LN ZC G8                                                    | 8   |             |                  |
| 102 | BL-10-FW-8    | 5/8 FW G8                                                       | 32  |             |                  |
| 103 | BL-10-250-H-8 | 5/8-11 X 2-1/2 HH G8 ZC                                         | 16  |             |                  |
| 104 | BL-10-LN      | 5/8-11 HEX LN NE ZC                                             | 16  |             |                  |



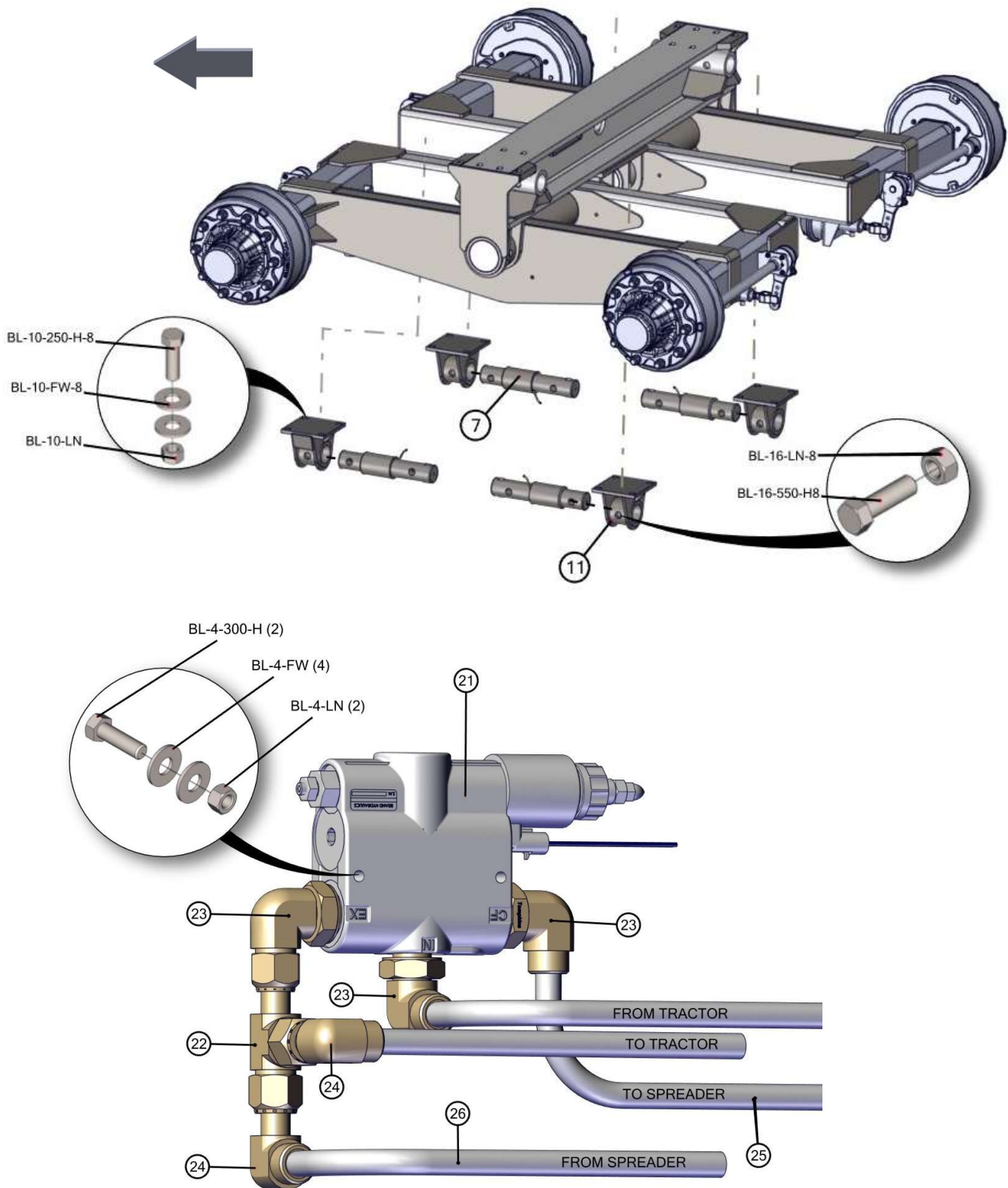
## 77026-5-02A OPTIONAL WEIGH SCALE SYSTEM, ATHENE VARATE CONTROLLER, ISOBUS READY TRACTOR WITH UT & GPS

| REF | PART                 | DESCRIPTION                                               | QTY | WILL FIT SN | REMARKS          |
|-----|----------------------|-----------------------------------------------------------|-----|-------------|------------------|
| 1   | SWS-1122             | Athene Kit, SM-1X, Fert / Manure Spreader                 | 1   |             |                  |
| 2   | SWS-1123             | SL2140 ISO 4TB/R/S/ACC/BR w/ Harness                      | 1   |             |                  |
| 3   | SWS-1124             | Harness, Athene, Power/Comms, 5M                          | 1   |             |                  |
| 4   | SWS-1125             | Harness, Athene, Con1A Adaptor, Floor Control             | 1   |             |                  |
| 5   | SWS-1126             | Harness, Athene, Con2A Adaptor, Encoder                   | 1   |             |                  |
| 6   | SWS-1006             | Sensor Cable, 22 ft, J-Box to Scale Head                  | 1   |             |                  |
| 7   | SWS-1007             | Load Cell, Hitch/Axle, 2-7/8" Dia, HD                     | 5   |             |                  |
| 8   | SWS-4605-003         | J-Box 6 Pt                                                | 1   |             |                  |
| 9   | HVE-IFM-004          | Incremental Encoder With Solid Shaft And Display, 1024PPR | 1   |             |                  |
| 10  | HVE-IFM-002-C        | Female Sensor Cable, M12, 8P, Straight, 10m               | 1   |             |                  |
| 11  | PR80005              | Wide Mount, Load Cell, Over Channel                       | 4   |             | HP900: 74522003- |
| 12  | ELC-1023-E           | 3-Pin Plug, Triangle, Deutsch DT                          | 2   |             |                  |
| 13  | ELC-1005-A           | Socket, Size 16, 16-20 AWG, Nickel, Deutsch               | 5   |             |                  |
| 14  | ELC-1023-F           | 3-Pin Wedgelock, Plug, Deutsch DT Series                  | 1   |             |                  |
| 15  | PR63034              | Encoder Cover, RT800 Gearbox                              | 1   |             |                  |
| 16  | ELC-1023-G           | 4-Pin Plug, Deutsch DT                                    | 1   |             |                  |
| 17  | ELC-1012             | Sealing Plug, Deutsch DT Series, White                    | 17  |             |                  |
| 18  | SWS-1127             | Harness, ISOBUS Terminator                                | 1   |             |                  |
| 19  | HVE-IFM-004-C        | Coupler, Encoder, Shaft End, Thread-on                    | 1   |             |                  |
| 20  | HVE-IFM-004-B        | Bracket, Rotation Stop, Encoder                           | 1   |             |                  |
| 21  | HVE-3001             | Electronic Flow Control Valve                             | 1   |             |                  |
| 22  | A-FF6602-10-10-10    | Run Tee, 10MFF X 10MFF X 10FFFX                           | 1   |             |                  |
| 23  | A-FF6801-10-12       | Elbow, 10MFF x 12SAE                                      | 3   |             |                  |
| 24  | A-FF6500-10-10       | Elbow, 90, 10MFF x 10FFFX                                 | 2   |             |                  |
| 25  | H10-17-10FFFX-10FFFX | 5/8" Hose, 5/8" Female ORFS x 5/8" Female ORFS            | 1   |             |                  |
| 26  | H10-36-10FFFX-10FFFX | 5/8" Hose, 5/8" Female ORFS x 5/8" Female ORFS            | 1   |             |                  |
| 27  | EL-124141            | Amber/Clear, 1' LED Auxiliary Micro Strobe Light          | 2   |             |                  |
| 28  | ELC-1023-C           | 2-Pin Receptacle, Deutsch DT                              | 2   |             |                  |
| 29  | ELC-1023-D           | 2-Pin Wedgelock, Receptacle, Deutsch DT Series            | 1   |             |                  |
| 30  | ELC-1005-C           | Pin, Size 16, 16-20 AWG, Nickel                           | 2   |             |                  |
| 32  | ELC-218              | 18 Gauge-2 Conductor @ Foot                               | 14  |             |                  |

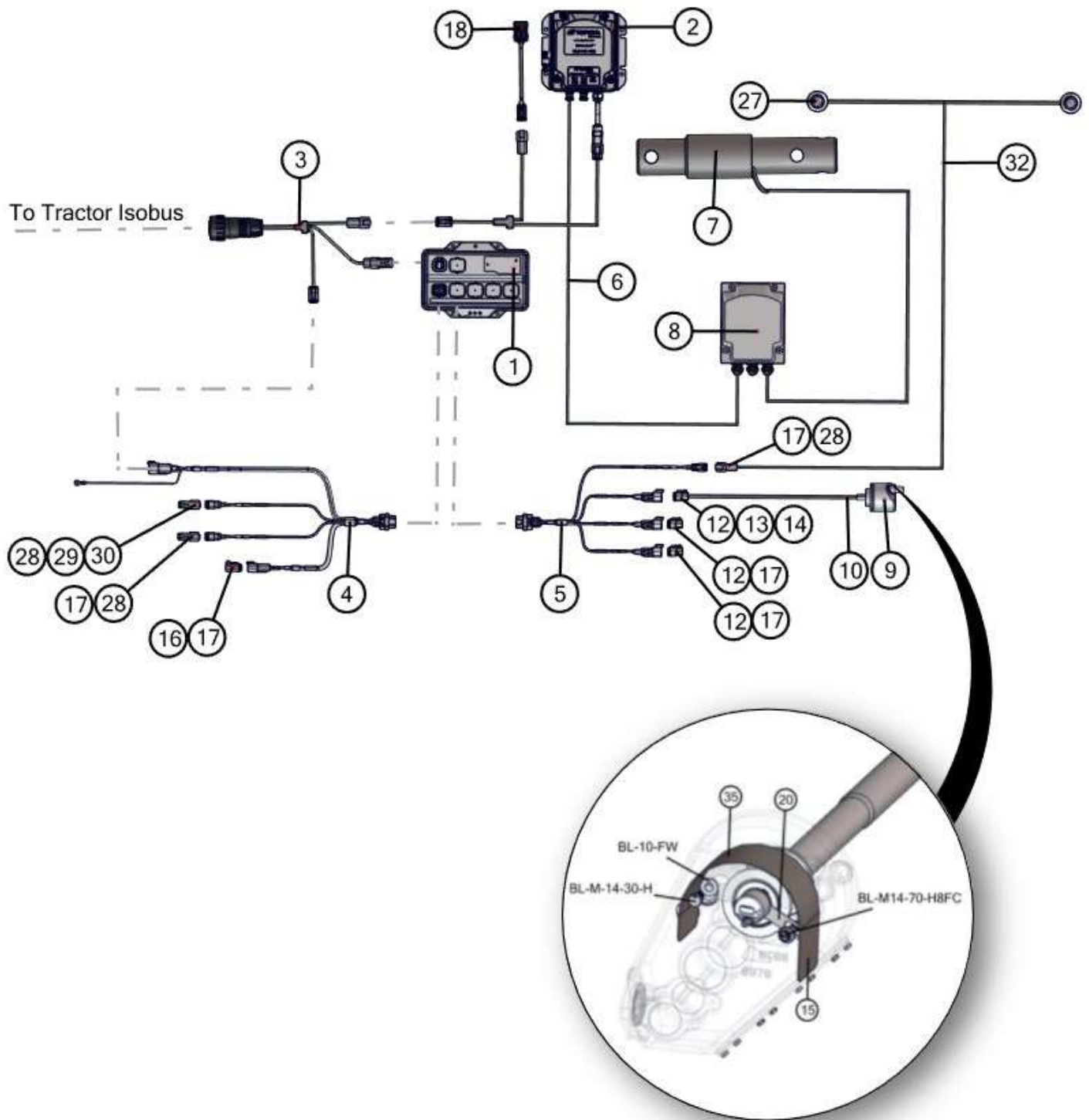
## 77026-5-02A OPTIONAL WEIGH SCALE SYSTEM, ATHENE VARATE CONTROLLER, ISOBUS READY TRACTOR WITH UT & GPS

| REF | PART           | DESCRIPTION                                                  | QTY | WILL FIT SN | REMARKS |
|-----|----------------|--------------------------------------------------------------|-----|-------------|---------|
| 35  | DC-0136        | Decal, Spreaders, Not a Step & Pressure Wash, 4"x4", CAUTION | 1   |             |         |
| 36  | PR72022        | Light Bracket, HP25LL Top Rail, Athene Load Limit            | 2   |             |         |
| 100 | BL-4-300-H     | 1/4-20 X 3 HEX CAP G5 ZC                                     | 2   |             |         |
| 101 | BL-4-FW        | 1/4 USS FW ZC                                                | 8   |             |         |
| 102 | BL-4-LN        | 1/4-20 HEX LN NE ZC                                          | 4   |             |         |
| 103 | BL-16-550-H8   | 1-8 X 5-1/2 BOLT HH C/S G8 ZC                                | 8   |             |         |
| 104 | BL-16-LN-8     | 1 H LN ZC G8                                                 | 8   |             |         |
| 105 | BL-10-FW-8     | 5/8 FW G8                                                    | 32  |             |         |
| 106 | BL-10-250-H-8  | 5/8-11 X 2-1/2 HH G8 ZC                                      | 16  |             |         |
| 107 | BL-10-LN       | 5/8-11 HEX LN NE ZC                                          | 16  |             |         |
| 108 | BL-M4-8-SC     | M4-0.7 x 8mm Socket Cap Screw, Black, Class 12.9             | 3   |             |         |
| 109 | BL-4-200-H     | 1/4-20 X 2 HH C/S G5 ZC                                      | 2   |             |         |
| 110 | BL-4-025-SCF   | 1/4-28 x 1/4' Knurled Point Set Screw                        | 1   |             |         |
| 111 | BL-M14-70-H8FC | M14 x 70 MM, HH Flange G10.9, Course Thread                  | 1   |             |         |
| 112 | BL-M-14-30-H   | Hex Head Bolt, 14mm x 30mm, Zinc, Grade 10.9                 | 2   |             |         |
| 113 | BL-10-FW       | 5/8 USS FW ZC                                                | 2   |             |         |

## 77026-5-02A OPTIONAL WEIGH SCALE SYSTEM, ATHENE VARATE CONTROLLER, ISOBUS READY TRACTOR WITH UT & GPS



## 77026-5-02A OPTIONAL WEIGH SCALE SYSTEM, ATHENE VARATE CONTROLLER, ISOBUS READY TRACTOR WITH UT & GPS



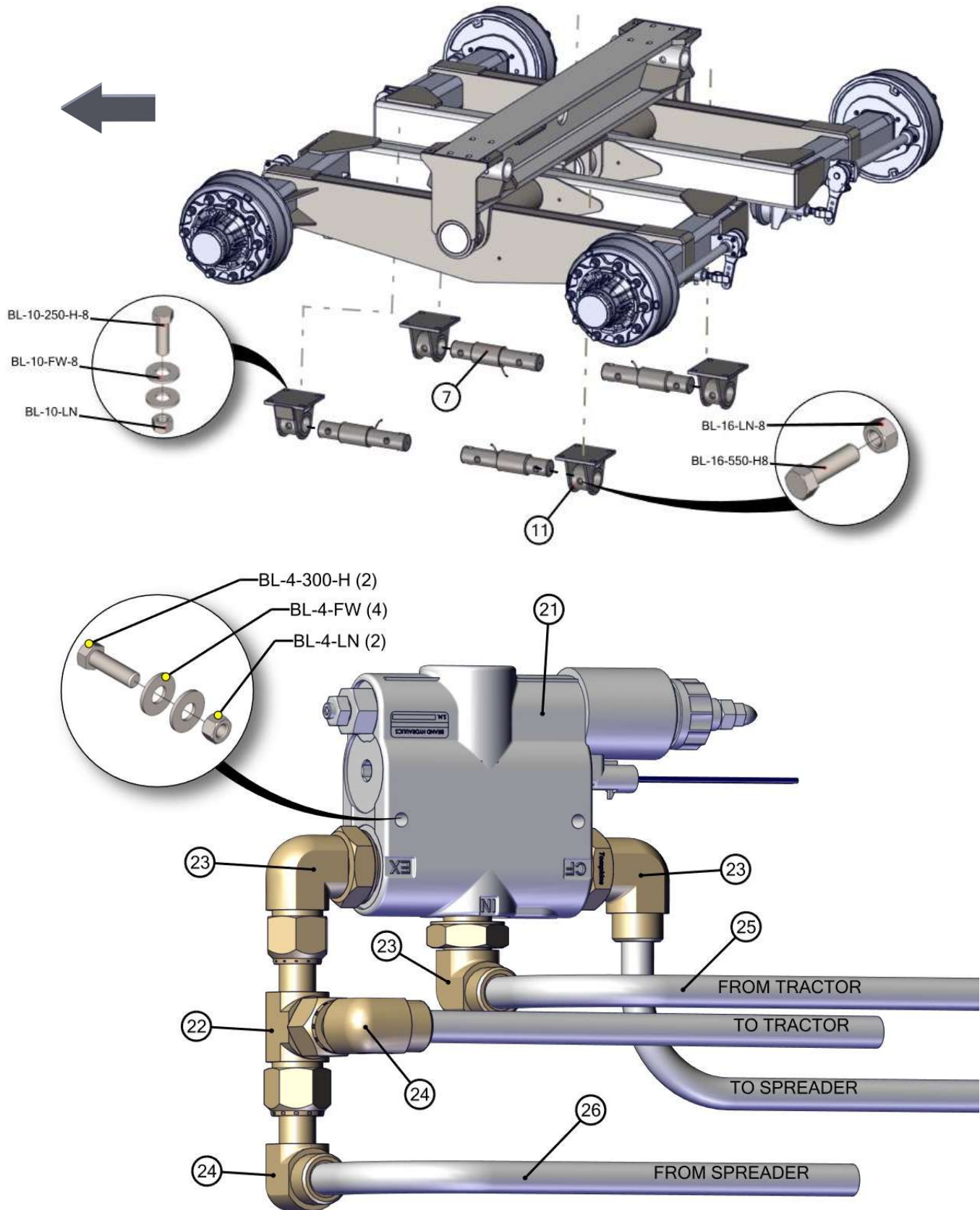
## 77026-5-02B OPT. SCALES, ATHENE VAR.RATE CONTROL, ID1 UT & GPS, NON-ISOBUS TRACTOR

| REF | PART                 | DESCRIPTION                                               | QTY | WILL FIT SN | REMARKS                       |
|-----|----------------------|-----------------------------------------------------------|-----|-------------|-------------------------------|
| 1   | SWS-1122             | Athene Kit, SM-1X, Fert / Manure Spreader                 | 1   |             |                               |
| 2   | SWS-1123             | SL2140 ISO 4TB/R/S/ACC/BR w/ Harness                      | 1   |             |                               |
| 3   | SWS-1124             | Harness, Athene, Power/Comms, 5M                          | 1   |             |                               |
| 4   | SWS-1125             | Harness, Athene, Con1A Adaptor, Floor Control             | 1   |             |                               |
| 5   | SWS-1126             | Harness, Athene, Con2A Adaptor, Encoder                   | 1   |             |                               |
| 6   | SWS-1006             | Sensor Cable, 22 ft, J-Box to Scale Head                  | 1   |             |                               |
| 7   | SWS-1007             | Load Cell, Hitch/Axle, 2-7/8' Dia, HD                     | 5   |             |                               |
| 8   | SWS-4605-003         | J-Box 6 Pt                                                | 1   |             |                               |
| 9   | HVE-IFM-004          | Incremental Encoder With Solid Shaft And Display, 1024PPR | 1   |             |                               |
| 10  | HVE-IFM-002-C        | Female Sensor Cable, M12, 8P, Straight, 10m               | 1   |             |                               |
| 11  | PR80005              | Wide Mount, Load Cell, Over Channel                       | 4   |             | HP900: 74522003-              |
| 12  | ELC-1023-E           | 3-Pin Plug, Triangle, Deutsch DT                          | 2   |             |                               |
| 13  | ELC-1005-A           | Socket, Size 16, 16-20 AWG, Nickel, Deutsch               | 5   |             |                               |
| 14  | ELC-1023-F           | 3-Pin Wedgelock, Plug, Deutsch DT Series                  | 1   |             |                               |
| 15  | PR63034              | Encoder Cover, RT800 Gearbox                              | 1   |             |                               |
| 16  | ELC-1023-G           | 4-Pin Plug, Deutsch DT                                    | 1   |             |                               |
| 17  | ELC-1012             | Sealing Plug, Deutsch DT Series, White                    | 17  |             |                               |
| 18  | SWS-1127             | Harness, ISOBUS Terminator                                | 1   |             |                               |
| 19  | HVE-IFM-004-C        | Coupler, Encoder, Shaft End, Thread-on                    | 1   |             |                               |
| 20  | HVE-IFM-004-B        | Bracket, Rotation Stop, Encoder                           | 1   |             |                               |
| 21  | HVE-3001             | Electronic Flow Control Valve                             | 1   |             |                               |
| 22  | A-FF6602-10-10-10    | Run Tee, 10MFF X 10MFF X 10FFFX                           | 1   |             |                               |
| 23  | A-FF6801-10-12       | Elbow, 10MFF x 12SAE                                      | 3   |             |                               |
| 24  | A-FF6500-10-10       | Elbow, 90, 10MFF x 10FFFX                                 | 2   |             |                               |
| 25  | H10-17-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS            | 1   |             |                               |
| 26  | H10-36-10FFFX-10FFFX | 5/8' Hose, 5/8' Female ORFS x 5/8' Female ORFS            | 1   |             |                               |
| 27  | EL-124141            | Amber/Clear, 1' LED Auxiliary Micro Strobe Light          | 2   |             |                               |
| 28  | ELC-1023-C           | 2-Pin Receptacle, Deutsch DT                              | 2   |             |                               |
| 29  | ELC-1023-D           | 2-Pin Wedgelock, Receptacle, Deutsch DT Series            | 1   |             |                               |
| 30  | ELC-1005-C           | Pin, Size 16, 16-20 AWG, Nickel                           | 2   |             |                               |
| 32  | ELC-218              | 18 Gauge-2 Conductor @ Foot                               | 14  |             |                               |
| 33  | SWS-1128             | Harness, Full ISOBUS Adaptor, In Cab                      | 1   |             | Connects to ISOBUS to tractor |

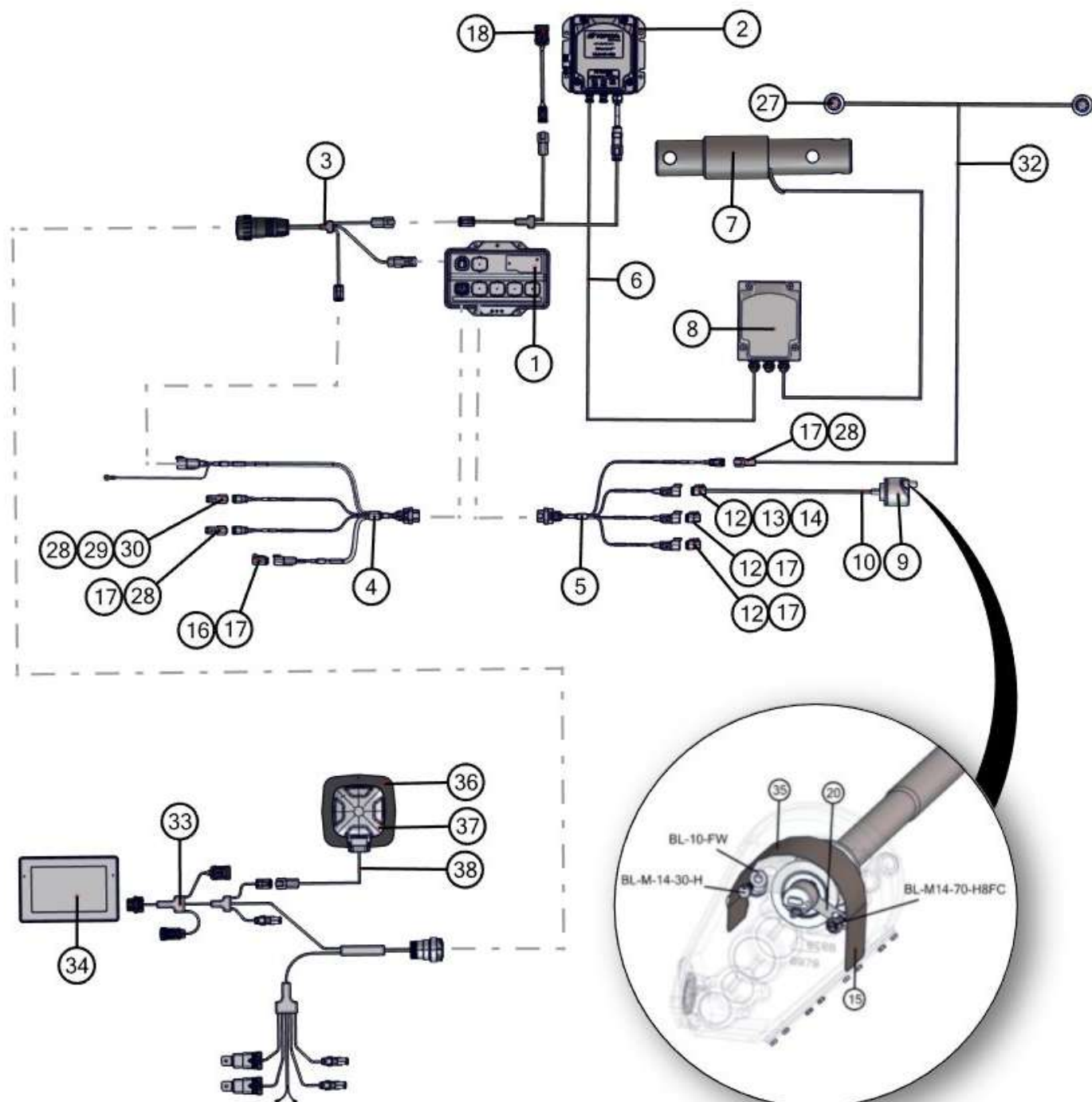
## 77026-5-02B OPT. SCALES, ATHENE VAR.RATE CONTROL, ID1 UT & GPS, NON-ISOBUS TRACTOR

| REF | PART           | DESCRIPTION                                                  | QTY | WILL FIT SN | REMARKS |
|-----|----------------|--------------------------------------------------------------|-----|-------------|---------|
| 34  | SWS-1130       | Console Kit, ID1 Plus Console w/ Horizon ISOSW               | 1   |             |         |
| 35  | DC-0136        | Decal, Spreaders, Not a Step & Pressure Wash, 4"x4", CAUTION | 1   |             |         |
| 36  | PR72022        | Light Bracket, HP25LL Top Rail, Athene Load Limit            | 2   |             |         |
| 37  | SWS-1111       | Roof Mounting Bracket Kit, Magnetic                          | 1   |             |         |
| 38  | SWS-1113       | AGM-1 Receiver, GPS                                          | 1   |             |         |
| 39  | SWS-1129       | Harness, UT Receiver Extension, GPS                          | 1   |             |         |
| 100 | BL-4-300-H     | 1/4-20 X 3 HEX CAP G5 ZC                                     | 2   |             |         |
| 101 | BL-4-FW        | 1/4 USS FW ZC                                                | 8   |             |         |
| 102 | BL-4-LN        | 1/4-20 HEX LN NE ZC                                          | 4   |             |         |
| 103 | BL-16-550-H8   | 1-8 X 5-1/2 BOLT HH C/S G8 ZC                                | 8   |             |         |
| 104 | BL-16-LN-8     | 1 H LN ZC G8                                                 | 8   |             |         |
| 105 | BL-10-FW-8     | 5/8 FW G8                                                    | 32  |             |         |
| 106 | BL-10-250-H-8  | 5/8-11 X 2-1/2 HH G8 ZC                                      | 16  |             |         |
| 107 | BL-10-LN       | 5/8-11 HEX LN NE ZC                                          | 16  |             |         |
| 108 | BL-M4-8-SC     | M4-0.7 x 8mm Socket Cap Screw, Black, Class 12.9             | 3   |             |         |
| 109 | BL-4-200-H     | 1/4-20 X 2 HH C/S G5 ZC                                      | 2   |             |         |
| 110 | BL-4-025-SCF   | 1/4-28 x 1/4' Knurled Point Set Screw                        | 1   |             |         |
| 111 | BL-M14-70-H8FC | M14 x 70 MM, HH Flange G10.9, Course Thread                  | 1   |             |         |
| 112 | BL-M-14-30-H   | Hex Head Bolt, 14mm x 30mm, Zinc, Grade 10.9                 | 2   |             |         |
| 113 | BL-10-FW       | 5/8 USS FW ZC                                                | 2   |             |         |

## 77026-5-02B OPT. SCALES, ATHENE VAR.RATE CONTROL, ID1 UT & GPS, NON-ISOBUS TRACTOR



# 77026-5-02B OPT. SCALES, ATHENE VAR.RATE CONTROL, ID1 UT & GPS, NON-ISOBUS TRACTOR



## WARRANTY

Pik Rite, Inc. provides a limited warranty assuring any new Hydra-Pull Spreader to be free from defects in material and workmanship for a period of two (2) years from the original date of purchase. Pik Rite will repair or replace, at its option and without charge, any defective or malfunctioning part (excluding items of normal wear or misuse) of the spreader for this allotted time.

**PIK RITE MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.**

CUSTOMER’S RESPONSIBILITY

It is the customer and/or operator’s responsibility to read the Operator’s Manual, to operate, lubricate, maintain and store the equipment in accordance with all instructions and safety procedures. Failure of the operator to read the operator’s manual is a misuse of this equipment.

It is the customer and/or operators’ responsibility to inspect the product and to have any part(s) repaired or replaced when continued operation would cause damage or excessive wear to other parts or cause a safety hazard. It is the customer’s responsibility to deliver the product to the authorized dealer, from whom the spreader was purchased, for service or replacement of defective parts, which are covered by warranty.

It is the customer’s responsibility for any cost incurred by the dealer for hauling the product for the purpose of performing a warranty obligation or inspection.

WARRANTY INFORMATION

Make certain the warranty registration card has been forwarded to:

Pik Rite, Inc.  
60 Pik Rite Lane  
Lewisburg, PA 17837

Always give your dealer the serial number of your Pik Rite, Inc. product when ordering parts or requesting service or other information.

In the space provided record the model number, the serial number and the date of purchase to assist in providing you with prompt and efficient service.

|                     |        |                |
|---------------------|--------|----------------|
| MODEL NUMBER:_____  | HP25LL | DEALER:_____   |
| SERIAL NUMBER:_____ |        | ADDRESS:_____  |
| PURCHASE DATE:_____ |        | _____          |
|                     |        | PHONE:_____    |
|                     |        | SALESMAN:_____ |

Keep Page for Your Records